# Samsung GALAXY Note® II

## ANDROID SMARTPHONE

**User Manual**
**Please read this manual before operating your phone and keep it for future reference**

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## *Dynamic Noise Suppression from Audience*

Your phone is equipped with an advanced voice processing chip that delivers clear mobile calls by suppressing background noise, intermittent sounds (like a siren or nearby conversation), and echoes, allowing you to hear and be heard nearly anywhere.

**How Does It Work?**

Based on the intelligence of the human hearing system, the technology:

- Captures, evaluates and distinguishes all the sound signals surrounding your phone, and the person you're speaking with.
- Then isolates the primary voice in conversation and filters out the background noise - so the person you're calling hears only your voice, without disturbing background noise.
- Dynamically equalizes and adjusts voice volume to optimize your calling experience, so you can hear clearly and don't need to speak louder to overcome surrounding noise.

The noise suppression technology is built-in and already enabled in your new mobile phone. So it's ready to provide unsurpassed voice clarity with every call.

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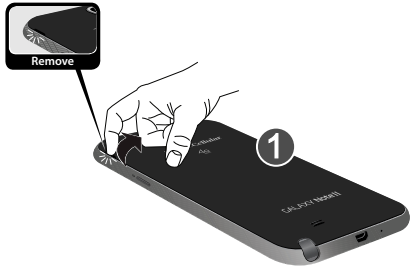
# Section 1: Getting Started

This section explains how to start using your phone by first configuring your hardware, activating your service, and then setting up your voice mail.

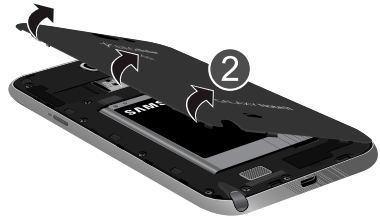
## Setting Up Your Phone

Prior to use it is necessary to install both the battery and SIM into their corresponding internal compartments. The microSD™ card slot is also located in this same internal area.

1. Remove the back cover by inserting a fingernail into the slot on the top of your phone (1).




2. Lift the cover up (2) and away from the phone.




**Caution!** Do not bend or twist the back cover excessively. Doing so may damage the cover.

### *Installing the SIM Card*

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, available optional services, and many others features.

**Important!** You can easily damage the plug-in SIM card information and its contacts by scratching or bending the card, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

- Carefully slide the SIM card into the SIM card socket (as shown) until the card locks into place.
  Make sure that the card's gold contacts face into the phone and that the upper-left angled corner of the card is positioned as shown

**Note:** If the card is not inserted correctly, the phone will not detect the SIM card. Re-orient the card back into the slot if the SIM is not detected.

### *Installing the Battery*

1. Insert the battery into the opening on the back of the phone, making sure the connectors align (1).
2. Gently press down to secure the battery (2).

### *Removing and Installing the Memory Card*

You can use a microSD™ (SD) or microSDHC™ card to expand available memory space if you desire. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This type of memory card is designed for use with this mobile phone and other devices.

**Note:** Your phone has been tested to support up to a 64GB memory card.

### *Installing the Memory Card*

- Push the microSD card into the slot until it clicks (as shown).
  - Make sure the microSD's gold contact pins face downward and the card is securely inserted.

For more information on Memory Cards, see *"Memory Card"* on page 46.

### *Removing the Memory Card*

1. Push on the memory card until it clicks and releases.
2. Grasp the memory card and remove it from the phone.

### *Installing the Back Cover*

1. Place the battery cover onto the back of the phone and press down.

2. Press along the edge of the back cover until you have a secure seal.

**Note:** Make sure the battery is properly installed before switching on the phone.

## Charging a Battery

Your device is powered by a rechargeable Li-ion battery. The UDB cable that is used to charge the battery, is included with your device. Use only Samsung-approved batteries and chargers.

**Note:** You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 4 hours.

Long backlight settings, searching for service, vibrate mode, web browser use, and other variables may reduce the battery's talk and standby times.

Although you can use the phone while the battery is charging, doing so will require additional charging time.

### *Using the USB Charger*

**Important!** Verify that the handset battery is installed prior to connection. If the battery is not properly installed and the wall charger is connected, the handset may power off and on continuously, preventing proper operation.

1. Plug the flat end of the USB charger into the Power/ Accessory Interface connector and the other end into a standard AC wall outlet.
2. When charging is finished, remove the flat end from the interface connector jack on the phone.

**Warning!** If your handset has a touch screen display, note that a touch screen responds best to a light touch from the pad of your finger. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to *"Standard Limited Warranty"* on page 191.

**Note:** Failure to unplug the wall charger before you remove the battery, can cause damage to the phone.

### *Low Battery Indicator*

When the battery is weak and only a few minutes of talk time remain, the battery icon ( ) blinks and the device sounds a warning tone at regular intervals. In this condition, your phone conserves its remaining battery power, not by turning off the backlight, but by entering the dimming mode. For a quick check of your battery level, glance at the battery charge indicator located in the upper-right corner of your device's display. Solid color ( ) indicates a full charge.

When the battery level becomes too low, the phone automatically turns off.

## Switching the Phone On or Off

1. Press and hold [Power] until the phone switches on.

2. Swipe your finger across the screen to unlock the phone.

**Note:** The display language is preset to English at the factory. To change the language, use the Language menu. For more information, refer to *"Language and input"* on page 148.

3. To switch off the phone, press and hold [Power], until the **Device options** screen displays.
4. Touch **Power off** to switch off the phone.
5. At the **Power off** prompt, touch **OK**.

## Locking and Unlocking the Touch Screen

1. Press [Power] to lock the touch screen.
2. Press [Power] again to display the lock screen then swipe your finger across the screen to unlock.

## Creating a Samsung Account

An active Samsung account is required to begin accessing applications such as ChatON and AllShare Play.

1. From the home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically. For more information, refer to *"Notification Bar"* on page 44.
2. Touch **Samsung account**.
3. Touch **Create new account**.
4. Touch **Terms and conditions** to read them and touch **OK**.
5. Touch the **I accept all the terms above** checkbox.
6. Touch **Privacy policy** and read the policy and touch **OK**.

7. Touch **Agree**.
8. Enter the required information and touch **Sign up**.
9. At the Welcome screen, touch **Next**.
10. Follow the on-screen instructions to verify your email address and activate your account.

## Creating a New Google Account

In order to utilize your device to the fullest extent, you will need to create a Google™ Account when you first use your device. With a Google Account, Google applications will always be in sync between your phone and computer.

If you did not create a new account during the setup procedure when you first turned your phone on, follow these steps:

1. From the Home screen, touch **Apps** ➔ **Gmail**. The **Add a Google Account** screen displays.
2. Touch **New** to create a new Google account.
   – or –
   If you already have a Google account, touch **Existing** to sign in and add the account to your phone.
3. Follow the on-screen instructions to add a Google Account.

**Note:** Once you have created a Google account, you only need to sign in.

## Retrieving your Google Account Password

A Google account password is required for Google applications. If you misplace or forget your Google Account password, follow these instructions to retrieve it:

1. From your computer, use an Internet browser and navigate to http://google.com/accounts.
2. Click on the **Can't access your account?** link.
3. Touch the **I forgot my password** radio button.
4. Enter your Email address and click **Continue**.
5. Follow the password recovery procedure.

## Setting Up Your Voice Mail

1. From the Home screen, touch , then tap .
2. Follow the tutorial to create a password, record a greeting, and record your name.

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**Note:** These steps may be different depending on your network.

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### *Accessing Your Voice Mail*

1. From the Home screen, touch , then touch . You may be prompted to enter a password.
2. When connected, follow the voice prompts from the voice mail center.

### *Accessing Your Voice Mail From Another Phone*

1. Dial your wireless phone number.
2. When you hear your voicemail greeting, press the asterisk key on the phone you are using.
3. Enter your password.

# Section 2: Understanding Your Phone

This section outlines some key features of your phone and describes the screen and the icons that display when the phone is in use. It also shows how to navigate through the phone and provides information on using a memory card.

## Features of Your Phone

Your phone is lightweight, easy-to-use and offers many useful features. The following list outlines a few of the features included in your phone.

- 4G LTE network with 1.6 gigahertz quad-core processor
- Android® 4.3, Jelly Bean
- Touch screen provides quick response to a variety of in-phone menus and options including applications and five home screens
- Virtual (on-screen) QWERTY keyboard
- Ready access to the Internet
- Built-in Bluetooth and advanced Wi-Fi® technology
- USB Tethering-capable
- Mobile Hotspot Capability
- Brilliant 5.5” HD SuperAMOLED plus display
- Galaxy Gear™ compliant. For a list of compatible smartphones, please visit: www.samsung.com/us/galaxygearsupport.
- Smart Switch™ compliant. For more information, see www.samsungsmartswitch.com
- KNOX™ compliant. For more information, see www.samsung.com/knox
- Google Play™ Store, plus pre-loaded Google apps
- SAFE®
- Samsung Link™ to share your media content across connected devices. Cloud connectivity is enabled via the use of an external Web storage service
- Compliant with AllShare Cast Hub® (Wi-Fi display receiver with support for full HD [1080p])
- 8 Megapixel camera and camcorder with 1.9 Megapixel Front Facing camera
- GPS Navigation functionality provides real-time navigation
- Up to 32 GB expandable memory slot
- Corporate and Personal Email
- Sync and update social network applications

- Over 250,000 Apps available to download
- Access to Movies and TV Shows with Samsung Media Hub
- DivX Certified® to play DivX® video up to HD 720p, including premium content
- AllShare™ Play to share your media content across DLNA certified devices

## Front View of Your Phone

4. **Status light**: displays red when charging, green when fully charged, blue when powering up, and orange when a notification has arrived.
5. **External speaker**: allows you to hear the caller.
6. **Application icons**: you can place shortcuts to your favorite applications on the Home screen.
7. **Primary shortcuts**: allows quick access to important features such as Phone, Contacts, Messaging, Internet, and Apps. For more information, refer to *"Primary Shortcuts"* on page 25.
8. **Menu key**: allows you to access sub-menus with additional options for different features and applications such as Home screen, Phone, Contacts, Messaging, and Web.
9. **Home key**: allows you to return to the main Home screen from any Home screen or menu. Press and hold to display Task Manager. Quickly press twice to activate the S Voice application.
10. **Back key**: allows you step backwards when navigating a menu or web page.
11. **Home screen indicator**: shows which Home screen is presently displayed.
12. **Google Quick Search bar**: a shortcut to Google Search that allows you to search for items on the internet.
13. **AccuWeather screen**: displays Time, Day, Date, Temperature and weather conditions for your area.
14. **Indicator icons**: shows the information needed to operate your phone, such as the received signal strength, phone battery level, time, unread Emails, missed calls, etc.
15. **Front facing camera**: allows you to take pictures of yourself when you set the camera shooting mode to Self shot.
16. **Proximity and Light sensors**: uses the ambient light level to adjust keypad access. If the light path is blocked, for example, when holding the phone close to your ear, the touch screen will turn off.

## Side Views of Your Phone

1. **3.5mm Headset jack**: allows you to plug in headphones.
2. **Volume keys**: allow you to adjust the ringer volume while in standby mode or adjust the voice volume during a call. When receiving an incoming call, briefly press down either volume key ( ) to mute the ring tone. Adjusts text size when reading a message or using the browser in the Apps folder.
3. **Power/Accessory Interface connector**: allows you to connect a USB Charger or other optional accessories such as a USB/data cable or a hands-free headset for convenient, hands-free conversations.
4. **Microphone**: allows other callers to hear you when you are speaking to them. It also used for the Speakerphone.
5. **Power/Lock key**: ( ) lets you power your phone on and off. Also allows you to lock or unlock the touch screen. For more information on locking your phone, see *"Locking and Unlocking the Phone"* on page 30.
6. **Microphone**: used for noise cancellation and stereo recording.

## Rear View of Your Phone

1. **Camera lens**: is used to take pictures and shoot videos.
2. **External speaker**: allows you to hear when the Speakerphone is turned on.
3. **S Pen**: assists you in performing different functions.
4. **Flash**: is used to provide adequate light when taking pictures in dark places.

## S Pen

The S Pen is a stylus that assists you in performing different functions. By using the Pen button, you can minimize having to switch between touch and pen input.

1. **Pen button**: by pressing the Pen button, you can add functionality to the S Pen. For more information, refer to *"Using the S Pen"* on page 20.
2. **Stylus tip**: the tip of the S Pen is used for tapping the screen.

## S Pen Functionality

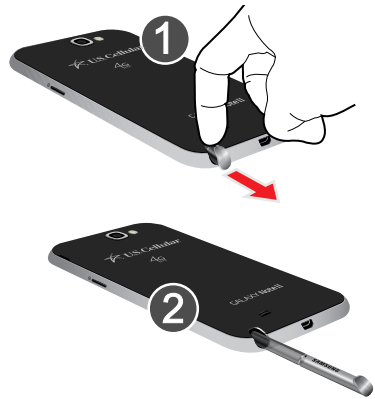
- **Air View**: Hover S Pen over the screen to preview information.
- **Effectively express yourself**: Write/Draw directly into an email, or the calendar, annotate Word, Excel, PowerPoint, and PDF documents, capture your ideas in S Note, write a note on the back of the picture.
- **Quick Command**: Launch Quick Command to activate frequently used applications or actions. Press the S Pen button and then drag the S Pen up the screen to display the Quick Command window.
- **Easy Clip**: Instantly outline and crop anything on the screen and freely edit or share with others.

## Removing the S Pen from your Phone

The S Pen is stored in your phone to make it easier to keep track of.

To remove the S Pen, follow these steps:

1. Use your fingernail or a sharp object to pull the end of the S Pen out of the phone (1).




2. Pull the S Pen out of the phone (2).

## *Using the S Pen*

There are several different functions you can perform by using the S Pen.

### Back Button

To move to a previous screen, hold the S Pen button and touch and drag the screen to the left. The previous screen displays.

### Screen Shots Using S Pen

To take a screen capture using the pen:

**Note:** These steps allow you to take a capture of the entire screen contents.

1. Grasp the S Pen and press the **S Pen** button.
2. Press the S Pen button then touch and hold the screen for 2 seconds to take a screen shot.

### Using Easy Clip

Instantly outlines and crops images displayed on the screen in any shape to share or paste with Easy Clip. Once you select the image, you can freely edit the cropped content, or personalize with your handwriting.

**To take a selective screen capture:**

**Note:** These steps allow you to capture selected areas of a screen based on a freehand area drawn on-screen.

1. Grasp the S Pen.
2. Press and hold the **S Pen** button then quickly draw a free-form enclosed shape on the screen to select the area to capture.

**Note:** You must touch the beginning and ending points to capture an area on the screen.

3. Tap a destination for the newly captured image from the bottom of the screen. Tap one of the following options: Scrapbook (creates a scrapbook folder in your S Note application), S Note, Email, Messaging, or ChatON, Bluetooth, Dropbox, Flipboard, Gmail, Google+, Group Cast, Paper Artist, Picasa.

**Note:** If you take no action, after approximately 5 seconds, the image is automatically stored to the clipboard.

### Menu Button

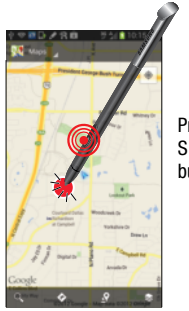
To display the menu from any screen, hold the S Pen button and touch and drag the screen upward. The menu displays.

## Launch S Note

S Note is an application that you can launch from any screen to take quick notes or jot down ideas. To open S Note, hold the S Pen button and double-tap the screen.

## Screen Capture

To take a screen capture, hold the S Pen button and press and hold the S Pen anywhere on the screen. Files are saved in the **My Files** ➔ **sdcard0** ➔ **Screenshots** folder.

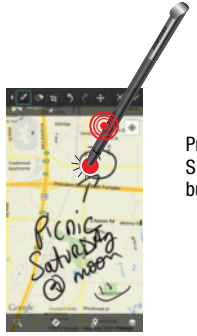



## Write on any Screen after Capture

**To take a screen capture of any screen:**

1. With the pen in your hand, press the **Pen** button.
2. Press the S Pen button then touch and hold the screen for 2 seconds to take a screen shot.
   You will hear the phone click like a camera sound.

3. When the picture displays, use the pen to draw or write on the screen.
   Files automatically save to **My files ➔ Storage ➔ sdcard ➔ Picture ➔ Screenshots ➔ IM_edited** folder.




Press S Pen button

## Using Gestures

By activating the various gesture features you can access a variety of time saving functions.

**To activate motion:**

1. From the Home screen, press and then tap **Settings ➔ Motion**.
2. Tap the ON/OFF icon ON located at the top of the screen to activate motion.
3. Tap the check boxes located to the right of each motion option to activate the motions you wish. A checkmark displays to indicate activation.

---

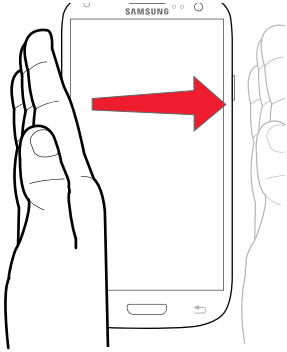
**Caution!** Excessive shaking or impact to the device may cause unintended results. To learn how to properly control motions, tap ➔ **Settings ➔ Motion ➔ Learn about motions**.

---

The following is a description of the available gestures:

- **Quick glance**: Once enable, you can check key information at a glance by reaching towards your device.

- **Direct call**: Once enabled, the device will dial the currently displayed on-screen Contact entry as soon as you place the device to your ear.
- **Smart alert**: Once enabled, pickup the device to be alerted and notified of you have missed any calls or messages.
- **Double tap to top**: Once enabled, double tap the top of the device to be taken to the top of the current on-screen list.
- **Tilt to zoom**: Once enabled, you must be on a screen where content can be zoomed. In a single motion, touch and hold two points on the display then tilt the tilt the device back and forth to zoom in or out.
- **Pan to move icon**: Once enabled, touch and hold a desired application shortcut icon or widget on the screen. Once it detaches, move the device left or right to migrate it to a new location.
- **Pan to browse images**: Once enabled, touch and hold a desired on-screen image to pan around it. Move the device left or right to pan vertically or up and down to pan horizontally around the large on-screen image.
- **Shake to update**: Once enabled, shake your device to re-scan for Bluetooth devices, re-scan for Wi-Fi devices, Refresh a Web page, etc.
- **Turn over to mute/pause**: Once enabled, mute incoming calls and any playing sounds by turning the device display down on a surface. This is the opposite of the Pickup to be Notified Gesture.
- **Palm swipe to capture**: Once enabled, you can capture any on-screen information swiping across the screen. In a single motion, press the side of your hand on the screen and swipe form left to right. The image is then copied to the clipboard.




- **Palm touch to mute/pause**: Once enabled, you can pause any on-screen video or mute any current sound by simply covering the screen with your hand. Once you remove your hand from the screen, the device goes back to normal by either continuing to play the current video or unmuting the current sound.

For more information, refer to *"Power saving mode"* on page 143.

## Display Layout

Your display screen provides a wealth of information about the phone's status and options, as well as providing access to application icons. For more information, refer to *"Front View of Your Phone"* on page 15.

### *Primary Shortcuts*

There are four non-movable Application Shortcuts that display at the bottom of all Home screens. The default shortcuts are:

- **Phone** for dialing a number.
- **Messaging** for creating and viewing Messages.
- **S Note** for creating notes using the keypad or S Pen.
- **Internet** for surfing the Internet.
- **Apps** for accessing the applications on your phone.

You can change the Phone, Messaging, S Note, and Internet application shortcuts to any icon that displays in the Apps menu.

For more information, refer to *"Adding and Removing Primary Shortcuts"* on page 34.

## Indicator Icons

This list identifies the symbols you'll see on your phone's display and Indicator area:

Displays your current signal strength. The greater the number of bars, the stronger the signal.

Indicates that the Airplane Mode is active. You cannot send or receive any calls or access online information.

Displays when there is no SIM card in the phone.

Displays when there is no network available.

Displays when there is a system error or alert.

Displays when a call is in progress.

Displays when a call is on hold.

Displays when the speakerphone is on.

Displays when a call was missed.

Displays when a call was muted.

Displays your battery charge level. Icon shown is fully charged.

Displays when your battery is charging. Also displays battery charge level.

Device Power Very Low – Shows your current battery only has between 5 and 15 percent power remaining.

Device Power Critical – Shows your current battery only has less than 5 percent power remaining and will immediately shutdown.

Displays when your phone is communicating with the 3G system.

Displays when your phone is communicating with the 4G LTE network.

Displays when your phone is downloading or has downloaded a file. It will blink green when it is installing.

Displays when the an outbound file transfer is in progress.

Displays when a Play Store download has completed.

Displays when updates are available for download.

Displays when the phone is connected to a computer via a supported USB cable connection.

Displays when the phone is tethered via a supported USB cable connection.

Displays when a new text or multimedia message is received.

Displays when a new voice mail is received.

Displays when Email is received.

Displays when the time and date for a Calendar Event has arrived. For more information, refer to *"Calendar"* on page 82.

Displays when you set an alarm to ring at a specified time. For more information, refer to *"Clock"* on page 90.

Displays when the Sound profile is set to Mute.

Displays when the Sound profile is set to Vibrate.

Displays when Bluetooth is activated.

Displays when a Bluetooth device has been paired with the phone.

Displays briefly when Bluetooth is on but is not connected to a Bluetooth device.

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when Wi-Fi is active but there is a communication issue with the target Wireless Access Point (WAP).

Displays when Wi-Fi Direct is active and your phone is connected to another device.

Displays when your phone as been configured as a portable Wi-Fi hotspot.

Displays when your phone is connected to a Digital Living Network Alliance (DLNA) certified device using the AllShare Play application.

Displays when GPS is active and acquiring a signal.

Displays when data synchronization and application sync is active and synchronization is in progress for Gmail, Calendar, and Contacts.

Displays when your phone is connecting to the Device Management server when you first turn on your phone.

Displays when your device is connected to control streaming media and is connected to a Digital Living Network Alliance (DLNA) certified device using the AllShare Play application.

Displays when a file is being uploaded or sync'd between your device and an external Web storage location.

Displays when the uploaded or transferred file was successfully delivered.

Displays when TTY device has been inserted.

Displays when a screen capture has been taken.

Displays when the keypad is active.

Displays when you have not yet set up a Samsung Account.

Displays when an emergency call is taking place.

### *Google Search Bar*

The Google Search Bar provides you an on-screen Internet search engine powered by Google™.

1. From the main home screen, tap the Google Search bar

.
2. Use the on-screen keypad to enter the item you want to search for, then tap .
3. Tap to use Google Voice Search.

## Menu Navigation

You can tailor the phone's range of functions to fit your needs using both menus and widgets. Menus, sub-menus, and features can be accessed by scrolling through the available on-screen menus. Your phone originally has five home screens.

### *Command Keys*

#### Menu Key

Press **Menu** to display a context-sensitive menu of options for the current screen or feature.

#### Home Key

Press **Home** to display the main Home screen. Press and hold to display recently used apps and access the Task manager.

#### Back Key

Press **Back** to return to the previous screen, option or step.

### *Terms used in this user manual*

#### Tap

Lightly touch items to select or launch them. For example:

- Tap the on screen keyboard to enter characters or text.
- Tap a menu item to select it.
- Tap an application's icon to launch the application.

#### Touch and Hold

Activate on-screen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

### Swipe and Palm Swipe

To swipe, lightly drag your finger vertically or horizontally across the screen. Use swipe when:

- Unlocking the screen
- Scrolling through the Home screen or a menu

To palm swipe, swipe the side of your hand horizontally across the screen. Use palm swipe when:

- Capturing the screen

### Panning

To pan, touch and hold a selected icon, then move the device to the left or right to reposition it to another page. You must first activate Motion on your device. Use panning to:

- Move icons on your Home screens or Application Menus to another page.

For more information, refer to *"Power saving mode"* on page 143.

### Tilt

To activate the tilt feature, press and hold two points on the screen then tilt the device back and forth to reduce or enlarge the screen. Use tilt to:

- Reduce or enlarge the screen in the Gallery or Browser.

For more information, refer to *"Power saving mode"* on page 143.

### Turn over

Turn your phone over so that the screen faces downward. For example:

- Mute incoming calls and playing sounds by turning your phone over.

## *Locking and Unlocking the Phone*

To unlock your phone:

1. Press the lock button located on the upper right side of your phone.
2. The lock screen displays with **Swipe screen to unlock** displayed at the bottom of the screen.
3. Swipe the touch screen in any direction.
4. The Home screen displays as shown above.

---

**Note:** There are several additional ways you can lock your screen. For more information, refer to *"Lock screen"* on page 131.

---

## Home Screen Overview

The main home screen is the starting point for many applications and functions, and it allows you to add items like application icons, shortcuts, folders, or Google widgets to give you instant access to information and applications. This is the default page and accessible from any menu by pressing the Home key.

## Navigating Through the Home Screens

Your phone initially has five home screens. If you like, you can place different applications on each of the home screens.

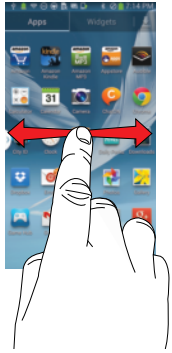
- From the main Home screen, sweep the screen with your finger in either direction. The main Home Screen is located in the middle with two Home screens on each side.

## Navigating Through the Application Menus

Your phone initially has three Application Menus available. Follow these steps to navigate through the Application Menus:

1. At the Home screen, tap **Apps**. The first Application Menu displays.
2. Sweep the screen left or right to access the other two menus.

3. Tap one of the application icons.




**Note:** As you add applications, the number of Application menus that you have available will increase.

## *Navigating Using Sub-Menus*

Sub-menus are available when you are at any Home screen or have selected a feature or application such as Phone, Contacts, Messaging, or Internet.

To access a sub-menu:

1. Press **Menu**.

   A sub-menu displays at the bottom of the phone screen.

2. Tap an option.

### *Accessing Recently-Used Apps*

1. Navigate to a home screen.
2. Tap an icon to open the selected application.

   – or –

   Tap **Task manager** to go to the Task manager.

## Customizing Your Home Screen

You can customize your Home screen by doing the following:

- Creating Shortcuts
- Adding and Removing Widgets on the Home Screen
- Repositioning Widgets
- Creating Folders
- Changing the Wallpaper
- Adding and Deleting Home Screens

### *Creating Shortcuts*

Shortcuts are different than the current Home screen Widgets that only launch an application. Shortcuts activate a feature, action, or launch an application.

**Note:** To move a shortcut from one screen to another, it must first be deleted from its current screen. Navigate to the new screen, then add the shortcut.

#### Adding a shortcut from the Apps Menu

1. Navigate to a home screen.
2. Tap **Apps** to display your current applications.

3. Scroll through the list and locate your desired application.
4. Touch and hold the application icon. This creates an immediate shortcut of the selected icon and closes the **Apps** tab.
5. While still holding the on-screen icon, position it on the current page. Once complete, release the screen to lock the new shortcut into its new position on the current screen.

### Adding a shortcut via the Add to Home screen

1. Navigate to a home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the Home screen.
4. Tap **Add to Home screen**.
5. Tap **Apps and widgets**, **Folder**, or **Page**.
6. Press and hold a shortcut from the available list and position it on the current screen.

### Deleting a shortcut

1. Press the **Home key** to activate the main Home screen.
2. Touch and hold the desired shortcut. This unlocks it from its location on the current screen.
3. Drag the icon over the Delete icon and release it. As you place the shortcut into the Trash, both items turn red.

**Note:** This action does not delete the shortcut, it just removes it from the current screen.

## *Adding and Removing Primary Shortcuts*

You can change any of your primary shortcuts with the exception of the **Apps** shortcut.

1. Press the **Home key** to activate the main Home screen.
2. Touch and hold the primary shortcut you want to replace, then drag it to an empty space on any Home screen.
3. Scroll through the Home screen to find the shortcut you want to add as the new primary short cut.
4. Touch and hold the new shortcut, then drag it to the empty space in the row of primary shortcuts.

The new primary shortcut will now display on all Home screens.

## Adding and Removing Widgets

Widgets are self-contained applications that reside in either your Widgets tab or on the main or extended Home screens. Unlike a shortcut, the Widget displays as an on-screen application.

### Adding a Widget

1. Press the **Home key** to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the screen.
4. Tap **Apps**.
5. Tap the **Widgets** tab at the top of the screen.
6. Press and hold an available Widget to position it on the current screen.

### Removing a Widget

1. Touch and hold a Widget until you can move it around on the screen.
2. Drag the Widget over the Delete icon and release it.

As you place the Widget into the Trash, both items turn red.

**Note:** This action does not actually delete the Widget, it just removes it from the current Home screen.

## Moving Icons in the Apps Menu

1. Press the **Home key** to activate the main Home screen.
2. Tap **Apps** to display your current applications.
3. Tap the **Apps** tab at the top of the screen if it is not already selected.
4. Press **Menu** and tap **View type**.
5. Tap **Customizable grid**. A green circle displays next to the option.
6. Press **Menu** and tap **Edit**.
7. Scroll through the list and locate the icon you wish to move.
8. Touch and drag the icon to the position that you want. To move to a different page, drag the icon to the edge of the page until the page scrolls to the desired page.

9. Tap **Save**.
10. Press the **Home key** to return to the Home screen.

### Creating Application Folders

You can create application folders to hold similar applications if you wish.

To create a folder follow these steps:

1. Press the **Home key** to activate the main Home screen.
2. Tap **Apps** to display your current applications.
3. Tap the **Apps** tab at the top of the screen if it is not already selected.
4. Press **Menu** and tap **Edit**.
5. Touch and hold the first application that you would like to move to a folder.
6. Drag the icon down to the icon.
7. A folder displays in the original place of the application icon with the application icon displayed on top of it.
8. Repeat steps 5 - 7 to add additional apps to the folder.
9. Drag the icon down to the icon to view information on the application.
10. Tap **Save**.

### Adding a New Page to the Application Menu

You can add a new page to your application menu by following these steps:

1. Press the **Home key** to activate the main Home screen.
2. Tap **Apps** to display your current applications.
3. Tap the **Apps** tab.
4. Press **Menu** and tap **Edit**.
5. Touch and hold the first application to move to a new page.
6. Drag the icon up to the **Create page** icon.
   The app displays on a new page.

### Changing the Wallpaper

You can change the Wallpaper (background) of your home screens by following these steps:

1. From any Home screen, touch and hold on an empty area of the screen.
   The **Home screen** window displays.
2. Tap **Set wallpaper for**.

3. Select the location where you would like to change the wallpaper. Tap **Home screen**, **Lock screen**, or **Home and lock screens**.
4. Tap one of the following options:
   - **Gallery**: select a wallpaper from photographs you have taken with your camera.
   - **Live wallpapers**: select an animated wallpaper. This option is not available for the Lock screen option.
   - **Wallpapers**: select from many still-life wallpapers.
5. Select a wallpaper and tap **Set wallpaper**, **Done**, or **Cancel**.

### *Moving Home Screens*

Your phone comes with seven Home screens. You can arrange the screens in any order that you want.

To move a Home screen, follow these steps:

1. Press the **Home key** to activate the main Home screen.
2. Press **Menu** and tap **Edit page**.
3. Touch and hold the Home screen to move.

4. Drag it to the new location.

   In this example, the Yahoo! news screen is moved to the last position.

   When you move a Home screen, the other Home screens automatically re-order.
5. Press the **Home key** to return to the main Home screen.

### *Adding and Deleting Home Screens*

You can delete Home screens and then add Home screens later if you want.

To add a Home screen, follow these steps:

1. Press the **Home key** to activate the main Home screen.
2. Press **Menu** and tap **Edit page**.
3. Touch and hold the Home screen that contains .

   A new screen is added.

**Note:** The icon will only be displayed if a Home screen has previously been deleted.

4. Press the **Home key** to return to the main Home screen.

   You can now add items to your new Home screen.

To delete a Home screen, follow these steps:

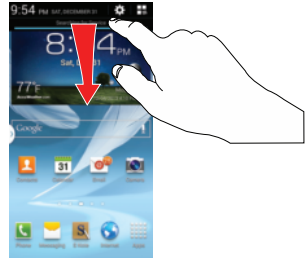
1. Press the **Home key** to activate the main Home screen.
2. Press **Menu** and tap **Edit page**.
3. Touch and hold the Home screen you want to delete.
4. Drag it to the trash can located at the bottom of the screen.

5. If there are items on the Home screen that you want to delete, the **Remove home screen page** prompt displays.
6. Tap **OK** to delete the page and its contents, otherwise tap **Cancel**.
7. Press the **Home key** to return to the main Home screen.

## Notification Bar

The Notification Bar includes a pull-down list to show information about processes that are running, recent notifications, and alerts. To display the Status indicator:

- On the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically.



## Clearing Notifications

To clear all notifications from the Notification panel:

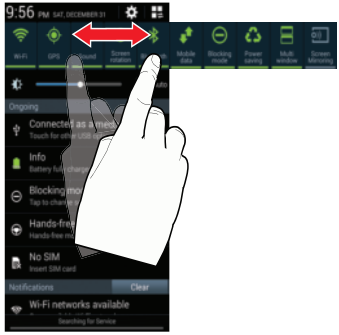
1. From the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically.

2. Tap the **Clear** button.

   The notifications are cleared and the panel closes.

## Accessing Additional Panel Functions

In addition to notifications, this panel also provides quick and ready access to separate device functions. These can be quickly activated or deactivated by toggling them on or off.




The following functions can either be activated (green) or deactivated (gray): Wi-Fi, Bluetooth, GPS, Sound, Screen rotation, Airplane mode, power saving, Driving mode, AllShare Cast, and Sync.

## Memory Card

Your device lets you use a microSD™ (SD) or microSDHC™ card to expand available memory space. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This section addresses the features and options of your device's SD functionality. The device has a USB SD card mode.

### *Mounting the SD Card*

To store additional photos, music, videos, and other applications, you must mount (install) the SD card prior to use. Mounting the SD card establishes a USB connection with your computer.

1. Insert the SD card into the external, SD card slot. For more information, refer to *"Removing and Installing the Memory Card"* on page 7.
2. Your SD card is scanned to see the available information on it.

### *Unmounting the SD card*

Unmounting the SD card prevents corruption and damage to the SD card while removing it from the slot.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **More** ➔ **Device manager** ➔ **Storage**. The **Storage** screen displays. The following options are available:
2. Scroll to the bottom of the display and tap **Unmount SD card**.
3. Tap **OK**.

   For more information, refer to *"Removing and Installing the Memory Card"* on page 7.

### *SD card Available Memory Status*

To view the memory allocation for your external SD card:

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **More** ➔ **Device manager** ➔ **Storage**. The **Storage** screen displays. The following options are available:
2. The available memory for Device and SD card displays under the **Total space** and **Available space** headings.

### *Erasing Files from the SD card*

You can erase files from the SD card using the phone.

1. Ensure the SD card is mounted. For more information, refer to *"Mounting the SD Card"* on page 41.
1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **More** ➔ **Device manager** ➔ **Storage**. The **Storage** screen displays. The following options are available:
2. Tap **Format SD card**.
3. At the **Format SD card** confirmation prompt, tap **Format SD card**.

---

**Warning!** Performing the next step erases all data stored on the SD card.

---

4. Tap **Delete all** to format or press to cancel.

# Section 3: Contacts and Accounts

## Accounts

Your phone provides the ability to synchronize information, from a variety of accounts, including Email, Facebook, Google, and your Samsung account. Depending on the account, you can choose to synchronize your calendar, contacts, and other types of content.

Contacts from your accounts appear in your phone's Contacts.

With synchronization, you can ensure that information on your phone is updated with any information that changes in your accounts.

### *Setting Up Your Accounts*

Set up and manage your accounts with the Accounts and sync settings.

For information about setting up other, non-synchronized email accounts, see *"Setting Up Email Accounts"* on page 75.

#### Adding an account

1. From the Home screen, touch **Menu**; then touch **Settings → Accounts → Add account**.
2. Select an account provider. Follow the prompts to enter your credentials and sign in.
3. The phone communicates with the provider's server to set up your account on the phone.

## Contacts

Use Contacts to store information for your friends, family and colleagues, to make contacting them easy.

**To access Contacts:**

- From the Home screen, touch **Contacts**.

**Contact tips:**

- Swipe your finger left-to-right across a contact to make a call to the contact.
- Swipe right-to-left across a contact to create a message addressed to the contact.

## Creating Contacts

1. From the Home screen, touch **Contacts** ➔ **Create contact**.
2. At the **Save contact to** prompt, select a save option for the contact (options depend on accounts set up):
   - **Device**: Save to the phone's Contacts.
   - Samsung account: Save to your Samsung account.
   - **Google**: Save to your Google account.
   - **Add new account**: Add a new account in which to save your contacts.
3. Touch contact fields to enter information:
   - Touch the **Contact photo** to choose a picture to identify the contact. Choose **Image**, to use a photo that you have stored on your phone, **Pictures by people** to select a picture that was tagged, **Take picture**, to take a new picture of the contact, or **S Note** to retrieve the picture saved to S Note.
   - Touch **Name** to enter a name for the contact. Touch to enter **First name**, **Middle name**, **Last name**, **or Name suffix**.
   - Touch **Phone number** to enter a phone number. Touch the label to the left of the phone number to choose a label, from **Mobile**, **Home**, **Work**, **Work Fax**, **Home Fax**, **Pager**, **Other**, **Callback** or **Custom**. Touch to add another number.
   - Touch **Email address** to enter an email address. Touch the label to the left of the email address to choose a label, from **Home**, **Work**, or **Other**; or choose **Custom** to create a new label. Touch to add an address.
   - Touch **Address** to enter an email address. Touch the label to the left of the address to choose a label, from **Home**, **Work**, **Other**; or choose **Custom** to create a new label. To add an address, touch .
   - Touch **Groups** to assign the contact to a group. For more information about Groups, see *"Groups"* on page 50.
   - Touch **Ringtone** to choose a ringtone for the contact.
   - Touch **Message alert** and select a tone to play for message alerts.
   - Touch **Vibration pattern** to choose a vibration pattern to play along with the ringtone when this contact calls or sends you a message.
   - Touch **Add another field** and select the field type.

4. Touch **Save** when you finish entering information.

### Creating Contacts from Recent calls

Save a phone number from a recent call to create a new contact, or update an existing contact.

For more information, see *"Creating or Updating Contacts Using Recent calls"* on page 62.

### Creating Contacts from the Phone Keypad

Enter a phone number with the Phone Keypad, and then save it.

1. From the Home screen, touch **Phone**.
2. Touch the digits of the phone number on the **Keypad**.
3. Touch **Add to Contacts**; then select **Create contact** from the pop-up menu.
4. Continue entering contact information. For more information, see *"Creating Contacts"* on page 44.

---

**Tip:** While entering a phone number, you can add waits or pauses. Enter the number up to the pause or wait; then touch **Menu** to select **Add 2 sec pause** or **Add wait**.

---

## Updating Contacts

Make changes to update an existing contact.

1. From the Home screen, touch **Contacts**.
2. Touch a contact to view its information; then touch **Edit**.

   – or –

   Touch and hold a contact; then select **Edit** from the menu.
3. Continue entering contact information. For more information, see *"Creating Contacts"* on page 44.

### Updating Contacts from the Phone Keypad

Enter a phone number with the Phone Keypad, and then save it.

1. From the Home screen, touch **Phone**.
2. Touch the digits of the phone number on the **Keypad**.
3. Touch **Menu** **Add to Contacts**; then select **Update existing** from the pop-up menu.
4. Select a contact to update; then continue entering contact information. For more information, see *"Creating Contacts"* on page 44.

### Updating Contacts from Recent calls

Save a phone number from a recent call to create a new contact, or update an existing contact.

For more information, see *"Creating or Updating Contacts Using Recent calls"* on page 62.

## Choosing Contacts to Display

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**; then touch **Contacts to display**:
   - **All contacts**: Show all contacts.
   - **Device**: Show only contacts with phone numbers.
   - **SIM**: Show only contacts that are saved to the SIM card.
   - **Customized list**: Select contact types for each account or for the phone.

## Contacts Settings

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**; then touch **Settings**:
   - **Only contacts with phones**: Show only contacts with at least one stored phone number.
   - **List by**: Sort contacts by **First name** or by **Last name**.
   - **Display contacts by**: Display contacts with **First name first** or with **Last name first**.
   - **Contact sharing settings**: Set your preference for transferring contacts by Bluetooth contacts. For more information about sending contacts, see *"Sending Namecards (vCards)"* on page 50.

## Contact Entry Options

1. From the Home screen, touch **Contacts**.
2. Touch a contact to display it. Press **Menu**:
   - **History**: View calls and messages to and from this contact.
   - **Edit**: Modify contact information. For more information, see *"Updating Contacts"* on page 45.
   - **Delete**: Erase the contact record.
   - **Link contact/Separate contact**: Manage multiple contacts as one. For information, see *"Linking Contacts"* on page 49.
   - **Mark as default**: Set a default phone number or other field (such as IM or email address). Defaults are the contact method used when creating a message or calling a contact. You can also set a default by touching and holding on a contact field.
   - **Share namecard via**: Send the namecard. For information, see *"Sending Namecards (vCards)"* on page 50.

- **Add to reject list**: Mark the contact so that calls or messages from the contact are rejected automatically. To remove a contact form the reject list, touch and hold on the contact in the main contacts screen, and then choose **Remove from reject list**.
- **Add shortcut to Home**: Place a shortcut to the contact info on the Home screen.

## Contact List Options

1. From the Home screen, touch **Contacts**.
2. Press **Menu**:. The following options display:
   - **Delete**: allows you to delete 1 or more of your contacts.
   - **Import/Export**: imports or exports contacts to or from the USB storage location, and SIM card or SD card.
   - **Share namecard via**: allows you to send namecards via methods such as Bluetooth, ChatON, Drive, Email, Gmail, Messaging, or Wi-Fi Direct.
   - **Merge accounts**: allows you to merge all of your current Contact entries with either your active Google or Samsung account. If several of your contacts are from other external sources, this allows you to "back them up" or copy them to your Samsung account. Tap **OK** to continue or **Cancel** to exit.
   - **Accounts**: allows you to **Auto sync** or Allows you to add and manage mobile accounts on Samsung account, ChatON, Google, LDAP, Microsoft Exchange ActiveSync, or Server. This option also allows you to manually synchronize all of your current contacts with their respective accounts.
   - **Speed dial setting**: allows you to set up speed-dialing.
   - **Send message/email**: allows you to send a text /picture message or an email using your Google account.
   - **Contacts to display**: allows you to choose to display All contacts, those on your Device, SIM card, Samsung account, Gmail, or only display contacts that are part of a Customized list.
   - **Settings**: allows you to configure where you save new contacts to, or view your service numbers, or send contact information. Options include: Only contacts with phones, List by, Display contacts by, Service numbers, and Contact sharing settings.

## Contact Menu Options

1. From the Home screen, touch **Contacts**.
2. Touch and hold an entry to reveal the context menu. The following options display:
   - **Delete**: allows you to delete the currently selected Contacts entry.
   - **Share via**: allows you to send the current Contact entry's information to an external recipient via either **Bluetooth**, **ChatON**, **Email** (Exchange or Internet), **Gmail**, **Messaging**, or **Wi-Fi Direct**.
   - **Link contact**: allows you to link the current contact to another current contact. Similar to a "see also" feature. If you can't remember a contact's information, linking entries can help you find the person you are looking for.
   - **Add shortcut to home**: adds a shortcut to the current Contacts entry to an available screen location.

## *My Local Profile*

My local profile is your own contact record, listed under ME in Contacts. You can send My local profile as a vCard via Bluetooth or as an attachment.

### Creating My Local Profile

1. From the Home screen, touch **Contacts**.
2. Touch **Set up profile**. Enter your information in the contact fields. For more information, see *"Creating Contacts"* on page 44.

### Sending My Local Profile

You can send your profile as a vCard via Bluetooth to other Bluetooth devices, or as an attachment.

1. From the Home screen, touch **Contacts**.
2. Touch your profile to display your contact information.
3. Touch **Menu**; then touch **Share namecard via**.
4. Choose a sending method. Follow the prompts to send the profile.

## Linking Contacts

Your phone can synchronize with multiple accounts, including Google, Corporate, and other providers, plus social networking sites like Facebook. When you synchronize contacts from these accounts with your phone, you may have multiple contacts for one person.

Linking contact records allows you to see all the contact's numbers and addresses together. Linking also helps you keep your contacts updated, because any changes to information in the respective accounts is automatically updated the next time you synchronize with the account.

### Linking contacts

1. From the Home screen, touch **Contacts**.
2. Touch and hold on a contact, and select **Link contact**.
3. Select a contact to join to the selected contact.

### Separating contacts

1. From the Home screen, touch **Contacts**.
2. Touch a contact to display its information.
3. Under the **Connection** heading, phone icons show how many contacts are joined to this one. Touch the **Connection** field to display joined contacts.
4. Touch next to a contact to remove it from the displayed contact.

## Exporting and Importing Contacts

You can export your contact list to and from USB storage (your phone's memory), or an installed memory card. Contacts are exported and imported as a special VCF file, and contacts are sent as vCards.

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**. Touch **Import/Export**.
3. Select an option. Follow the prompts to complete the operation:
   - **Import/Export contacts**: Imports or exports contacts to or from the USB storage location, and SIM card or SD card.
   - **Import from USB storage**: Copy contacts that are saved in phone memory.
   - **Export to USB storage**: Copy contacts to phone memory.
   - **Import from SD card**: Copy contacts from an installed memory card.
   - **Export to SD card**: Copy contacts to an installed memory card.
   - **Import from SIM card**: Copy contacts from an installed SIM card.

- **Share namecard via**: Share contacts as vCards. For more information, see *"Sending Namecards (vCards)"* on page 50.

### *Sending Namecards (vCards)*

You can send a contact namecard as a vCards via Bluetooth to other Bluetooth devices, or as an attachment via Gmail or Email.

**Important!** Not all Bluetooth devices will accept contacts, and not all devices support transfers of multiple contacts. Check the target device's documentation.

1. From the Home screen, touch **Contacts**.
2. Touch **Menu** and then touch **Import/Export** → **Share namecard via**.
3. Touch contacts to mark them for sending, or touch **Select all** to mark all contacts. A check mark displays in the check box for marked contacts.
4. Touch **Done**. At the prompt, choose a sending method. Follow the prompts to send the namecard.

### *Favorites*

Mark contacts with a star to identify them as Favorites.

Favorites display on the Favorites tab in the Phone and Contacts for fast dialing or messaging, and are indicated by the .

#### Creating Favorites

1. From the Home screen, touch **Contacts**.
2. Touch a contact to display it, and then touch at the top right of the screen.

### *Groups*

Assign contacts to Groups to make searching for contacts faster, or to quickly call or send messages to group members. Your phone comes with pre-loaded groups you can use to add your contacts, or you can create new groups.

#### Accessing Groups

- From the Home screen, touch **Contacts** → **Groups**.

### Creating a New Group

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch **Menu** ➔ **Create**. Enter information:
   - Touch **Group name** to enter a Group Name.
   - Touch **Group ringtone** to choose a ringtone for calls from members of this group.
   - Touch **Message alert** to select an alert to play when a message is received.
   - Touch **Vibration pattern** to choose a vibration to play for calls from members of this group.
   - Touch **Add member** to select members from Contacts.
3. Touch **Save** to save the new group.

### Editing a Group

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a Group to display it.
3. Touch **Menu** ➔ **Edit group**. Update information for the group. For more information, see *"Creating a New Group"* on page 51.

### Deleting a Group

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch **Menu**. Touch **Delete groups**.
3. Touch a group to mark it for deletion, or touch **Select all** to mark all groups. When selected, a check mark appears in the check box. You cannot delete pre-loaded groups.
4. Touch **Delete**. Choose **Group only** or **Group and group members**.

### Adding Contacts to a Group

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a **Group** to display it; then touch **Add**.
3. Touch contact(s) to mark them for addition, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.
4. Touch **Done** to add the selected contact(s).

### Removing Contacts from a Group

1. From the Home screen, touch **Contacts** → **Groups**.
2. Touch a **Group** to display it.
3. Touch **Menu**; then touch **Remove member**.
4. Touch contact(s) to mark them for removal, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.
5. Touch **Done** to remove the selected contact(s).

### Sending a Message to Group Members

Create a new text or email message, addressed to the group's members.

1. From the Home screen, touch **Contacts** → **Groups**.
2. Touch a **Group** to display it.
3. Touch **Menu** → **Send message** or **Send email**.
4. Touch contacts to mark them as recipients for the new message; then touch **Done**.
5. The new message opens, with the marked contacts as recipients. Continue creating the message, as desired. For more information, see *"Creating and Sending Messages"* on page 70, or see *"Composing and Sending Email"* on page 76.

## Speed Dials

Speed dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact.

For more information about calling using speed dials, see *"Making Calls using Speed Dials"* on page 55.

**Note:** Some speed dials are reserved by default, and cannot be assigned:
Speed dial 1 is reserved for Voicemail.
Speed dial 97 is reserved for balance inquiries.
Speed dial 98 is reserved for minutes inquiries.
Speed dial 99 is reserved for payment inquiries.
Speed dial 100 is reserved for data usage inquiries.

### *Assigning Speed Dials*

1. From the Home screen, touch **Contacts**.
2. Touch **Menu** → **Speed dial setting**.
3. A list of speed dials displays.Touch a speed dial, and then touch a contact to assign the contact to the speed dial.

### *Removing or Reassigning a Speed Dial*

1. From the Home screen, touch **Contacts**.
2. Touch **Menu → Speed dial setting**.
3. Touch **Menu**. Touch an option:
   - **Change order**: Touch an assigned speed dial; then touch a new speed dial location to change the order.
   - **Remove**: Touch a speed dial to remove it.

## Displaying Your Phone Number

- From the Home screen, press and then press **Menu** ➔ **Settings** ➔ **More** ➔ **About device** ➔ **Status**. Your phone number displays in the My phone number field.

## Making a Call

1. From the Home screen, touch **Phone**.
2. Touch the digits of the telephone number on the **Keypad**.
3. Touch to place the call.

## Emergency Calls

If you do not have a SIM card installed the first time you turn on the phone, the Insert SIM card to make calls message displays and an animated tutorial shows you how to install the SIM card.

Without a SIM card, you can only make an emergency call with the phone; normal cell phone service is not available.

### *Making an Emergency Call without a SIM card*

1. Touch **Emergency call** from the on-screen display to make an emergency call.
2. Enter 9-1-1 and touch .

## International Calls

1. From the Home screen, tap and then touch and hold 0 until the device displays “+” on-screen.
2. Use the on-screen keypad to enter the country code, area code, and phone number.
3. If you make a mistake, tap once to delete a single digit.

   – or –

   Touch and hold to delete all digits.
4. Touch .

### *Making Calls using Speed Dials*

Speed Dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact.

For more information about setting speed dials, see *"Speed Dials"* on page 52.

1. From the Home screen, touch **Phone**.
2. Touch the digits of the speed dial number on the **Keypad**, holding the last digit until the number dials.

### *Making Calls from Contacts*

A contact is an entry that you have created to store the name, numbers, and other information for people or groups of interest.

For more information, see *"Contacts"* on page 43.

1. From the Home screen, touch **Contacts**.
2. Find the contact and touch it to open the Contact entry.
3. Swipe your finger from left to right across the contact to dial their default number.

   – or –

   Touch a contact number to dial the number.
4.

## Pause Dialing

You can dial or save phone numbers with pauses for use with automated systems, such as voicemail or financial phone numbers.

- **2-Second Pause** automatically sends the next set of numbers after a two-second pause. This is indicated in the number string as a comma (,).

1. From the Home screen, tap and use the on-screen keypad to enter the phone number.
2. Press **Menu** and then tap **Add 2-sec pause**. This feature adds an automatic two-second pause.
3. Use the keypad to enter the additional numbers that will be dialed automatically after the second pause.

**Tip:** You can create pauses longer than two seconds by entering multiple 2 second pauses.

4. Touch .

## Wait Dialing

Inserting a Wait into your dialing sequence means that the phone waits until it hears a dial tone before proceeding with the next sequence of numbers.

- **Wait** sends the next set of numbers only after tapping **Yes**. This is indicated in the number string as a semicolon (;).

**Note:** Do not add multiple Waits (;) to a number string as this will continue to prompt you after each sequence.

1. From the Home screen, tap and use the on-screen keypad to enter the phone number.
2. Press **Menu** and then tap **Add wait**. This feature causes the phone to require your acceptance before sending the next set of entered digits.
3. Touch .
4. Once prompted to **Send the following tones?**, tap Yes to dial the remaining digits.

## Making Calls using S Voice

Place a call by speaking the name or number.

1. From the Home screen, touch **Phone**. then touch .
2. The first time you access, follow the prompts to confirm the license agreement, and view information about.
3. Follow the prompts to speak a command. You can say commands such as:
   - **Call <Name >**: Call an entry in your Contacts list.
   - **Dial <Phone number>**: Call a spoken phone number.
   - **Redial**: Repeat a recent call.

**Tip:** You can launch S Voice from most unlocked screens by pressing the **Home Key** twice.

## Making Calls using Favorites

Favorites are contacts that you designate as favorites by starring them. For more information about creating favorites, see *"Favorites"* on page 50.

1. From the Home screen, touch **Phone**.
2. Touch **Favorites** to display favorites.
3. Find the contact and touch it to open the Contact entry.
4. Swipe your finger from left to right across the contact to dial their default number.

   – or –

   Touch a contact; then touch to dial the number.

## Making Calls from Recent calls

Return a call, or call a number from a recent call stored in Recent calls.

For more information, see *"Recent Calls"* on page 61.

## Multi-party Calling

Use multi-party call features to set up a call between multiple callers, such as for a conference call.

1. Establish the first call, by answering an incoming call or making a call.
2. Touch **Add call**. The first call is placed on hold.
3. Make the second call by touching the phone number digits and then pressing .
4. Touch **Merge** to merge the calls into one conference call.
5. To end the call touch

.

## Answering a Call

You can answer incoming calls when the phone is locked or unlocked.

- At the incoming call screen:
  - Touch and slide in any direction to answer the call.
  - Touch and slide in any direction to reject the call.
  - Touch and drag the **Reject call with message** tab upward and tap a predefined rejection message or tap **Create new message** to create a new custom outgoing response.

**Tip:** To silence the ringtone for an incoming call, press the **Volume Key**.

### *Sending Calls to Voicemail*

When your phone alerts you to an incoming call, you can reject the call to send the caller to voice mail, or reject the call and send a message to the caller.

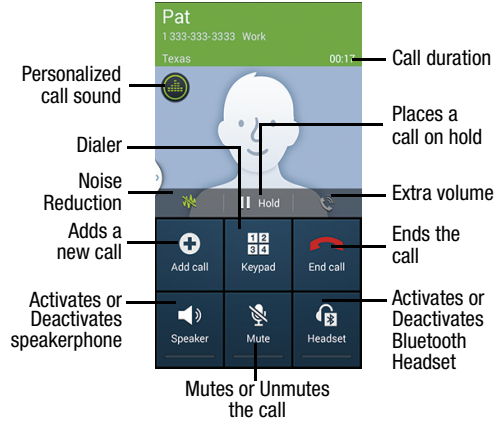
## Answering Call-Waiting Calls

When you receive a call while on a call:

- Touch and drag the **Answer** icon to answer the incoming call. The original call is placed on hold, and remains on hold until you end the second call, or swap calls back to the original call.
- Touch **Swap** to place a call on hold and return to the original call.

## Options During a Call

While in a call, you can use these features:



### *Adjusting the Call Volume*

During a call, use the Volume keys on the left side of the device, to adjust the earpiece volume.

- During a call, press the **Up** volume key to increase the volume level and the **Down** volume key to decrease the level.

  – or –

  Adjust the audio by enabling selecting an audio preset. Tap the on-screen **Personalize call sound** button select an equalizer setting for the incoming call.

  - Enabled/disabled via the Call settings menu (**Call settings** ➔ **Personalize call sound**)). For more information, refer to *"Personalize call sound"* on page 66.

  – or –

  Quickly add more volume to the incoming audio by tapping the on-screen **Extra volume** button

From the Home screen, you can also adjust the ring volume using these keys.

### Adjusting Noise Reduction

During a call it may be necessary to adjust the noise reduction feature. Activating this feature can improve the quality of your conversation by reducing ambient noise.

1. Tap (**Noise reduction off**) to toggle the status and activate the feature.
2. Tap (**Noise reduction on**) to toggle the status and deactivate the feature.

### Personalizing the Call Sound Setting

During a call it may be necessary to adjust the sound of the incoming call by selecting an audio equalizer setting for the current call.

1. Tap (**Personalize call sound**).
2. Confirm the option is enabled .

**Note:** If prompted to enable the feature via the Call settings menu, go to **Call settings** ➔ **Personalize call sound**.

3. Select an available option.
   Choose from: Adapt Sound, Soft sound, Clear sound, and Off.

### *Placing a Call on Hold*

You can place the current call on hold whenever you want. If your network supports this service, you can also make another call while a call is in progress.

**To place a call on hold:**

1. Tap Hold **Hold** to place the current call on hold.
2. Tap Unhold **Unhold** to activate the call that is on hold.

## Ending a Call

- To end a call, touch End call.

## Recent Calls

When you place, answer, or miss a call, a record of the call is saved in Recent calls.

### *Accessing Recent calls*

- From the Home screen, touch **Phone** ➔ Recent **Recent**.

### *Making Calls using Recent calls*

1. From the Home screen, touch **Phone**.
2. Touch Recent **Recent** to display recent calls.
3. Swipe your finger from left to right across the call to redial.

   – or –

   Touch a call; then touch to dial the number.

### *Sending Messages using Recent calls*

1. From the Home screen, touch **Phone** ➔ **Recent**.
2. Swipe your finger from right to left across the call.

### *Creating or Updating Contacts Using Recent calls*

1. From the Home screen, touch **Phone** ➔ **Recent**.
2. Touch and hold on a call. Select **Add to Contacts** from the pop-up menu.
3. Choose **Create contact** or **Update existing**.
4. Continue entering contact information. For more information, see *"Contacts"* on page 43.

### *Managing Recent calls*

#### Deleting records

1. From the Home screen, touch **Phone** ➔ **Recent**.
2. While viewing the calls, touch **Menu** and then touch **Delete**.
3. Touch call records to mark them for deletion, or touch **Select all**. A check indicates marked records.
4. Touch **Delete** to delete marked records.

### Filtering records

1. From the Home screen, touch **Phone** ➔

**Recent**.
2. While viewing the calls, touch **Menu** and then touch **View by**.
3. Select a filter type, from **All calls and messages**, **All calls**, **Missed calls**, **Dialed calls**, **Received calls**, **Rejected calls**, **All messages**, **Sent messages**, and **Received messages**.

### Viewing call durations

View the length of the Last call, all Dialed calls, all Received calls, or All calls.

1. From the Home screen, touch **Phone** ➔

**Recent**.
2. While viewing calls, touch **Menu** and then touch **Call duration**.

## Call Settings

Configure settings for calling with your phone.

### *Call rejection*

1. From the Home screen, touch **Phone**.
2. Press **Menu** and then tap **Call settings** ➔ **Call rejection**.
3. Touch the ON **Call rejection** slider to activate reject mode.
4. Tap the **Auto reject mode** field to configure your automatic rejection settings. Rejected calls are routed automatically to your voicemail. Choose from:
   - **Off**: disables the auto rejection feature.
   - **All numbers**: enables the features for all known and unknown numbers, including those contacts that are not assigned to the rejection list.
   - **Auto reject numbers**: automatically rejects all entries assigned to the Reject list/Blacklist.

### *Adding numbers to the rejection list*

Entries can be added to the list via either the Contacts menu or via the Auto reject list menu. The Contacts menu option assigns all numbers for an individual as rejected. The Auto reject list allows to assign individual numbers.

**To assign multiple numbers as rejected via Contacts:**

1. From the Home screen, touch **Contacts**.
2. Locate an entry and touch it to open the Contact Overview Screen.
3. Press **Menu** and then tap **Add to reject list**. All phone numbers associated with this entry are then added to the reject list.

**To assign single number as rejected via Auto reject list:**

1. From the main **Call settings** page, tap **Call rejection** ➔ **Auto reject list**.
2. Touch **Create** and either enter the phone number or select a Contact from your Logs or Contacts list.
3. Tap **Save** to complete the assignment.

### Set reject messages

1. From the Home screen, touch **Phone**.
2. Press **Menu** and then tap **Call settings** ➔ **Set reject messages**.
3. Touch **Create** to add a reject message.
   – or –
   Touch one of the pre-written messages to display when the call is rejected. You can edit the message if desired.
4. Touch **Save** to save the reject message.

### Call alerts

1. From the Home screen, touch **Phone**.
2. Press **Menu** and then tap **Call settings** ➔ **Call alerts**.
3. Touch **Vibrate on connection to network** to set your device to vibrate when it connects to the network.
4. Touch **Call-end vibration** if you want the caller's device to vibrate when the call ends.
5. Touch **Call status tones** to set the sound settings during a call, then touch **OK**.

### Call accessories

1. From the Home screen, touch **Phone**.
2. Press **Menu** and then tap **Call settings** ➔ **Call accessories**.
3. Touch one of the following options:
   - **Automatic answering**: configures the device to automatically answer and incoming call when a headset is detected.
   - **Automatic answering timer**: configures the time delay before the device automatically accepts the incoming call.
   - **Outgoing call conditions**: allows you to make calls even when the device is locked.

### Ringtones and keypad tones

Choose tones and/or vibration to play for incoming calls and keypad touches.

1. From the Home screen, touch **Phone**.
2. Touch **Menu** ➔ **Call Settings** ➔ **Ringtones and keypad tones**.
3. Configure settings:
   - **Ringtones**: Choose a default ringtone for incoming calls.
   - **Vibrations**: Choose a vibration pattern, or create your own pattern, to play for incoming calls when Incoming call vibration is turned On. Vibration plays along with the ringtone, if Silent mode is not enabled.
   - **Vibrate when ringing** When enabled, the Device vibration plays for incoming calls.
   - **Dialing keypad tone**: When turned on, sounds play when you touch the Phone keypad.

### *Personalize call sound*

This option allows you to personalize the sounds you hear during a call with and without earphones.

1. From the Home screen, touch **Phone**.
2. Touch **Menu** ➔ **Call Settings** ➔ **Personalize call sound**.
3. Select a call sound or touch **Off**.
4. Touch **Noise reduction** to suppress background noise from your side during calls.
5. Touch **Increase volume in pocket** to increase the ringtone volume when the device is inside a pocket or bag.

### Voicemail

Configure options for voicemail.

1. From the Home screen, touch **Phone**.
2. Touch **Menu** ➔ **Call Settings**.
3. Configure options:
   - **Voicemail service**: By default, your phone uses your wireless service provider's voicemail service. If you have another option for voicemail installed, select it here.
   - **Voicemail settings**: By default, the speed dial for calling voicemail for your service provider is *86 (*VM). If you wish to use another speed dial, touch Voicemail number to set a new one.
   - **Ringtone**: Choose a ringtone to play for a voicemail notification.
   - **Vibrate**: Choose an option for vibration to play for a voicemail notification.

### Other call settings

1. From the Home screen, touch **Phone**.
2. Touch **Menu** ➔ **Call Settings**.
3. Configure options:
   - **Current country**: Choose the country you are in. This is used in Assisted dialing.
   - **Assisted dialing**: When Assisted dialing is On, your phone automatically dials appropriate codes and prefixes for international calls. Touch OFF ON to turn the option On or Off; then touch Assisted dialing to configure settings.
   - **Auto retry**: When enabled, the device will automatically redial a call if it receives a busy signal from the network.
   - **TTY mode**: Choose a TTY mode to enable TTY mode, for use with optional TTY equipment.
   - **DTMF tones**: Set the length of Dual-tone Multi-frequency tones, which play when you use the keypad during a call, such as when navigating device menus.
   - **Voice privacy**: Enable or disable Enhanced voice privacy, to improve the security of phone calls.

### *One-handed operation*

The one-handed operation settings help you to use your phone keypads easily with only one hand.

1. From the Home screen, touch **Phone**.
2. Touch **Menu** → **One-handed operation**. The keypad resizes to use with one hand.
3. Touch **Menu** → **One-handed operation** again to turn the feature off.

## Types of Messages

Your phone supports these types of messages:

- **Text messages**: Send and receive simple messages containing text to other mobile phones or email addresses (also known as SMS).
- **Multimedia messages**: Send and receive text messages with pictures, video, and/or sound to other mobile phones or email addresses (also known as MMS).
- **Email**: Send and receive email from your email accounts, including Corporate mail.
- **Gmail**: Send and receive Gmail from your Google account.
- **Voicemail**: Retrieve voice messages from callers.
- **Hangouts**: Chat with other Hangouts users.
- **ChatON**: Group chat using ChatON.

**Note:** Messaging service availability depends on your network and service plan. Multimedia Messaging charges apply per your Calling Plan. Monthly plans are available. Higher rates apply for International Multimedia Messaging (when available). Compatible Device required. Consult your Customer Service representative for more information.

## Text and Multimedia Messaging

Your phone can send and receive text and multimedia messages.

### *Creating and Sending Messages*

1. From the Home screen, touch **Messaging**.
2. Touch **New message**.
3. Touch **Enter recipient** and enter a name, phone number or email address, or touch to add recipients from Groups, Favorites, Contacts or Recent. As you enter text, matching contacts appear. Touch a contact to add it to the list.
4. Touch **Enter message**, and enter the message. While entering the message, use these options (available options depend on attachment):
5. Touch **Attach** to add media or content to the message (converts the message to MMS).
6. Touch **Menu** for options:
   - **Insert smiley**: Add a text emoticon to the message.
   - **Add text**: Select text from S Memo, Calendar, Contacts or Text templates to add.
   - **View contact**: Displays the contact information.
   - **Add slide/Remove slide**: Add or remove a slide. Slides hold pictures or other media, and adding a slide converts the message to MMS.
   - **Add subject**: Add a subject field (converts the message to MMS.)
   - **Scheduling**: Schedule a time to send the current message.
   - **Discard**: Erase the message without sending it.
7. Touch to send the message.

## *Managing Messages*

Messages you send and receive to the same contact, number or address are grouped together as a "thread," so you can see all the messages you exchanged with a recipient in one place, like a conversation.

1. From the Home screen, touch **Messaging**.
2. Message threads display by contact, number, or address.
3. Touch and hold a thread to choose options, including:
   - **View Contact / Add to Contacts**: View the contact record, or save the sender/recipient's information.
   - **Delete thread**: Erase the entire message thread.
4. Touch **Menu** for options, including:
   - **Search**: Enter characters to search messages and recipients.
   - **Delete threads**: Touch message threads to mark them for erasure, or touch **Select all** to mark all message threads.
   - **Draft messages**: View messages you've created but not yet sent.
   - **Locked messages**: View messages you've locked. Locked messages cannot be deleted.
   - **Scheduled messages**: displays the scheduled messages folder and its contents.
   - **Spam messages**: displays the spam messages folder and its contents.
   - **Text templates**: displays available text message reply templates.
   - **Settings**: Configure Messaging settings.

### Message Settings

Configure settings for message storage, delivery, or alerts.

1. From the Home screen, touch **Messaging**.
2. Touch **Menu**; then touch **Settings** for options:

- **General settings**:
  - **Delete old messages**: When enabled, messages are automatically erased when storage reaches default limits. When disabled, the phone will prompt you to delete old messages to make room.
  - **Text message limit**: Set the number of SMS messages per conversation.
  - **Multimedia message limit**: Set the number of MMS messages per thread.
  - **Text templates**: Text templates are phrases that you can add to your messages. Use a pre-loaded text template, or create your own.
- **Text message (SMS) settings**:
  - **Delivery reports**: When enabled, you receive a delivery report for text messages you send.
  - **Auto combination**: Re-assembles multi-segment messages so they display as a single message.
  - **Manage SIM card messages**: View and manage messages you've stored on an installed SIM card.
- **Multimedia message (MMS) settings**:
  - **Delivery reports**: When enabled, you receive a delivery report for multimedia messages you send.
  - **Auto retrieve**: When enabled, MMS messages download automatically. When disabled, the phone prompts for download.
  - **Roaming auto retrieve**: When enabled, MMS messages download and display automatically when roaming. When disabled, the phone prompts you to download new MMS messages.
  - **MMS alert**: When enabled, your device alerts you when a message changes from SMS to MMS, such as when you attach a picture.
- **Display**:
  - **Bubble style**: Choose the appearance of messages in a message thread. Touch a bubble style for each side of the conversation; then touch **Save**.
  - **Background style**: Choose the appearance of the screen behind message threads. Touch a style; then touch **Save**.
  - **Split view**: In Landscape mode, allows you to view both the message list and the contents of the currently selected message.

– **Use the volume key**: When enabled, you can change the size of message text while viewing by pressing the Volume Key.

- **Notification settings**:
  - **Notifications**: When enabled, message alerts display in the Status bar.
  - **Select ringtone**: Choose a sound for message alerts.
  - **Vibrate**: Configure vibration for message alerts.
  - **Message alert repetition**: Choose the frequency of alerts for new messages.
  - **Preview message**: When enabled, a preview of new messages appears in the Status bar with the message notification.

- **Emergency message settings**:
  - **Emergency Alerts**: This device is designed to receive Wireless Emergency Alerts from the Commercial Mobile Alert Service (CMAS), including Presidential Alerts, Imminent Alerts (Severe or Extreme), and AMBER Alerts (missing persons). You may choose not to receive Imminent and AMBER alerts, but Presidential Alerts cannot be disabled. All alerts are enabled by default (checkmark shown). For more information about Emergency Alerts see *"Emergency Alerts"* on page 74.
  - **Emergency notification preview**: Listen to an example of a Emergency Alert tone (and vibration, if enabled). The Emergency Alert tone plays at the same volume as your call ringtone.
  - **Vibrate**: Configure vibration for Emergency Alerts.
  - **Alert sound**: Select a sound to play for Emergency Alerts.
  - **Alert reminder**: Choose whether, and at what interval, your phone plays a sound to notify you of an Emergency Alert after the Emergency Alert tone has stopped.

- **Signature settings**
  - **Add signature**: When enabled, a text signature is added to all messages you send.
  - **Signature text**: Enter a text signature to add to messages when Add signature is enabled (available when Add signature is enabled).
- **Spam message settings**
  - **Spam settings**: When enabled, allows you to configure available spam settings such as spam numbers, phrases, and block unknown senders.
  - **Add to spam numbers**: Manually enter and assign a phone number as being sent from a spam source.
  - **Add to spam phrases**: Assign a specific text phrase as belonging to a spam message. Ex: Dear friend.
  - **Block unknown senders**: When enabled, automatically blocks incoming messages from unknown sources or blocked numbers.

## Emergency Alerts

This device is designed to receive Wireless Emergency Alerts from the Commercial Mobile Alert Service (CMAS). Emergency Alerts are geographically-targeted, and alert customers of imminent threats to their safety within their area. There is no charge for receiving an Emergency Alert.

There are four types of Emergency Alerts:

- Presidential
- Extreme
- Severe
- AMBER Alerts (missing person alert)

Customers may choose not to receive Imminent Alerts and AMBER Alerts. Presidential Alerts can not be disabled. To disable Imminent Threat Alerts (Extreme and Severe) and AMBER Alerts, follow these instructions:

1. From the Home screen, touch **Messaging**.
2. Touch **Menu**; then touch **Settings** ➔ **Emergency Alerts**.
3. All alerts are enabled by default (checkmark showing). To disable alerts, touch an alert to remove the checkmark.

# Email

Send and receive email using popular email services.

## Setting Up Email Accounts

You can configure Email for most accounts in just a few steps.

1. From the Home screen, select **Apps** ➔ **Email**.
2. The first time you set up an email account, select your email provider.

   – or –

   For subsequent accounts, touch **Menu** ➔ **Settings** ➔ **Add account**. Select your email provider.
3. Follow the prompts to set up your email account.

## Deleting Email Accounts

1. From the Home screen, select **Apps** ➔ **Email**.
2. Touch **Menu** ➔ **Settings**.
3. Select email account(s) for deletion; then touch **Delete**.

## Syncing Email Accounts

Syncing refreshes your phone with the account's servers. When you set up an email account, you can choose whether the account syncs in the background, or manually.

- From the Home screen, select **Apps** ➔ **Email** ➔ **Sync**.

## Email Settings

Use settings to configure handling of your email.

**Note:** Available settings depend on the email provider.

1. From the Home screen, select **Apps** ➔ **Email**.
2. Touch **Menu** ➔ **Settings** ➔ **General preferences** for options:
   - **Display**: Configure how email displays. Options include: Auto fit content, Message preview line, and Title line in list.

- **Composing and sending**: Configure the functions available during both creating and sending emails. Options include: Quick responses, Default image size, Delay email sending.
- **Auto advance**: Choose the screen to display after you delete a message.
- **Confirm deletions**: When enabled, Email will prompt you to confirm when you delete messages.
- **Priority senders**: Enter email addresses, to have emails from the addresses treated as a priority.
- **Spam addresses**: Create a list of spam email addresses.
- **Rules for filtering**: Create and manage filters for emails. Filter parameters include: Filter name, Subject includes, or From.
- **Split view mode**: Allows you to toggle the split screen either on or off while in landscape mode.

3. Press **Menu** ➔ **Settings** ➔ **Account settings** ➔ **Account** and configure the account settings.

## *Composing and Sending Email*

1. From the Home screen, select **Apps** ➔ **Email**.
2. If you have multiple accounts set up, choose an account from the menu at the top of the screen.
3. Touch **Compose**. Touch fields to enter recipients and the email text.
4. While composing a message, touch use these options:
   - **Menu** for options. Available options depend on the type of email account.
   - **Attach** to add a file to the message. Available options depend on the type of email account.
   - **Save** to store a draft of the current email on your device.
   - **Delete** to discard the current email.
5. Touch **Send** to send the message.

## Gmail

Send and receive emails via Gmail, Google's web-based email.

- From the Home screen, select **Apps** ➔ **Gmail**.

### *Setting Up Your Gmail Account*

The first time you launch Gmail, your phone will prompt you to set up your Google account, if you haven't already set it up. If you set up your Google account on your phone, Gmail is set up automatically

1. From the Home screen, select **Apps** ➔ **Gmail**.
2. Follow the prompts to sign in, or create a new account.
3. The phone communicates with the Google server to set up your account and synchronize your email.

**Note:** You can use more than one Google account on your phone. To add another account, use the **Menu** ➔ **Settings** ➔ **Accounts** ➔ **Add account** option.

### *Refreshing Your Gmail Account*

Syncing refreshes your phone with the account's servers. When you set up an email account, you can choose whether the account syncs in the background, or manually.

- From the Home screen, select **Apps** ➔ **Gmail** ➔ **Menu** ➔ **Refresh**.

### *Gmail Settings*

Use settings to configure your Gmail preferences.

1. From the Home screen, select **Apps** ➔ **Gmail**.
2. Touch **Menu** ➔ **Settings** for options.

### *Composing and Sending Gmail*

1. From the Home screen, select **Apps** ➔ **Gmail**.
2. Touch **Compose**. Touch fields to compose the message. While composing, touch **Menu** for options.
3. To send the message, touch **Send**.

## Voicemail

All unanswered calls to your phone are sent to voice mail, even if your phone is turned off, so you'll want to set up your voice mail and personal greeting as soon as you activate your phone.

Visual Voice Mail is a feature that allows you to review your voicemails on your phone, including the option to listen to your voicemail in any order. There is a monthly charge for Visual Voice Mail, and airtime charges may apply. For more information, contact your Customer Service representative.

### *Setting up Voicemail*

1. From the Home screen, touch **Phone**; then touch and hold 1 .
2. Follow the automated instructions to set up your password and record a greeting.

### *Checking Voicemail*

1. From the Home screen, touch ; then touch and hold 1 .
2. Follow the automated instructions to manage voicemail.

### *Hangouts*

Previously known as Google Talk™, is an updated free web-based application for instant messaging offered by Google.

**Note:** Talk requires that you have a Google account set up on your phone. For more information, see *"Setting Up Your Accounts"* on page 43. If you set up your Google account, you are automatically logged in.

- From the Home screen, touch **Apps** ➔ **Hangouts**.

### *ChatON*

Provides a global service where you can chat with more than two buddies using a group chat.

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**Important!** Your Samsung account manages the access information (username/password) to several applications, such as AllShare Play, ChatON, and Media Hub.

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(For more information, visit: https://web.samsungchaton.com and see *"Accounts"* on page 50.)

- From the Home screen, touch **Apps** ➔ **ChatON**.

# Section 6: Applications

## Managing Applications

Apps displays all applications installed on your phone, including apps you download and install.

From Apps, you can change the way apps appear on the screen, uninstall apps you've downloaded, and share apps with friends. When you install new apps, new screens are added to hold them.

**Tip:** You can place shortcuts to apps on the Home screen, for quick access to the application. For more information, refer to *"Primary Shortcuts"* on page 25.

### *Downloading and Installing Apps*

Find new apps to download and install on your device:

- **Play Store**: For more information, see *"Play Store"* on page 101.
- **S Suggest**: For more information, see *"S Suggest"* on page 102.

### *Uninstalling Apps*

You can uninstall apps you download and install. Pre-loaded apps cannot be uninstalled.

1. From the Home screen, touch **Apps**.
2. Touch **Menu** ➔ **Uninstall**.
3. Apps that can be uninstalled show on their icon. Touch ; then follow the prompts to uninstall the app. Pre-loaded apps cannot be uninstalled.

### *Customizing the Apps Screens*

#### Choosing a view

By default, app icons appear in Grid view. You can change the view to list view.

1. From the Home screen, touch **Apps.**
2. Touch **Menu**; then touch **View type**.
3. Choose an option:
   - **Customizable Grid**: The default view, which allows you to touch and hold on apps to move them from screen to screen.
   - **Alphabetical grid**: Icons are arranged in a grid, in A-Z order.
   - **Alphabetical list**: Icons display in a list, sorted from A-Z.

### Apps screen options

1. From the Home screen, touch **Apps.**
2. Touch **Menu** for options:
   - **Play Store**: Launch Google™ Play Store, to browse for new apps to download.
   - **Edit**: Touch and hold an app icon for these options:
     - Drag it to a new location.
     - Drag it to **Create folder** to create a new folder to hold the app icon.
     - Drag it to **Create page** to create a new apps screen and place the icon on it.
     - Drag it to **App info** to view information about the app.
     - Drag to **Remove** (if available) to remove the icon. The trashcan is only available for apps you've installed. Pre-loaded apps cannot be removed.
   - **Create folder**: Create a new folder to hold the app icon.
   - **Uninstall**: Remove an app that you downloaded from your phone. Preloaded apps cannot be uninstalled.
   - **Downloaded applications**: Display all apps you've downloaded.
   - **View type**: Configure the apps screen.
   - **Share apps**: Select apps you've downloaded (not available for pre-loaded apps) to share via Backup Assistant Plus, Bluetooth, Email, Gmail, Google+, Messaging, S Memo, or Wi-Fi Direct.
   - **Hide applications/Show hidden applications**: Control whether app icons are visible in Apps. Hiding an icon does not remove the app from your phone.

## Amazon

Shop with Amazon.

1. From the Home screen, touch **Apps** → **Amazon**.

## Amazon Kindle

Use the Amazon Kindle™ application to download books for reading, right on your phone.

**Note:** You must be registered with Amazon to use the Kindle application. At the prompt, enter your Amazon account credentials.

- From the Home screen, touch **Apps** → **Amazon Kindle**.

## Amazon MP3

Shop for music with Amazon.

- From the Home screen, touch **Apps** ➔ **Amazon MP3**.

## Appstore

Browse and download applications, games and more from the Amazon application store.

- From the Home screen, touch **Apps** ➔ **Appstore**.

## Audible

Download audio books to enjoy on your phone.

- From the Home screen, touch **Apps** ➔ **Audible**.

## Calculator

Use your phone's Calculator to perform mathematical calculations.

- From the Home screen, touch **Apps** ➔ **Calculator**.

## Calendar

Record events and appointments to manage your schedule.

**Tip:** A Calendar widget is available in Widgets. For more information about placing widgets on the Home screen, see *"Adding a Widget"* on page 35.

1. From the Home screen, touch **Apps** ➔ **Calendar**.
2. Touch ; then select a view, from **Year**, **Month**, **Week**, **Day**, **List**, or **Task**.
3. Touch **Menu** for options:
   - **Go to**: Display a specific date.
   - **Delete**: Delete an event.
   - **Search**: Search for calendar events.
   - **Sync**: Refresh Calendar with events from your accounts.
   - **Settings**: Customize the calendar.

### *Sending Events*

Send events as vCalendar files to other Bluetooth devices, as message attachments, or via Wi-Fi Direct.

1. From the Home screen, touch **Apps** ➔ **Calendar**.
2. Touch an event to display its details.
3. Touch **Menu**; then touch **Share via**. Follow the prompts to select a sharing method and share the event.

## Camera

Use the Camera to take pictures and record video.

### *Sharing your photos and videos*

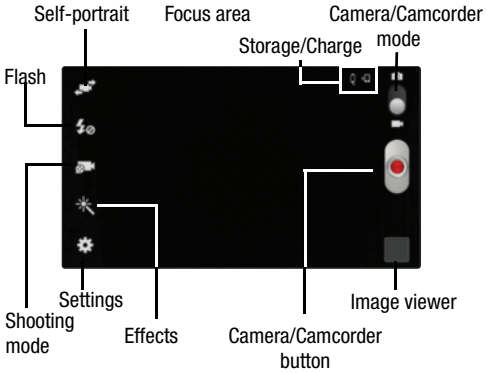
Your device has exciting new features for sharing your photos with your friends and family:

- Use **Share Shot** to automatically share your photos and videos with your friends and family via Wi-Fi Direct.
- Use **S Beam** to transfer photos and videos (and other files) via NFC to other NFC-capable devices, by simply touching the devices together (typically back-to-back).

**Important!** Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person's privacy.

### *Taking Pictures*

1. From the Home screen, touch **Apps** ➔ **Camera**.




2. Using the display as a viewfinder, compose your picture by aiming the lens at the subject. You can rotate the phone to any position, and the screen controls rotate to make taking pictures easy.
3. As you compose a picture, the Camera automatically focuses the shot (the focus bracket turns green), or:
   - Touch the screen to focus on the area you touched.
   - "Pinch" the screen, or press the Volume Key, to zoom in or out.
   - Configure other options. For more information, see *"Picture Options"* on page 84.
4. To take the picture, touch **Capture**.

### Picture Options

1. From the Home screen, touch **Apps** ➔ **Camera**.
2. Use these options to configure the camera:
   - **Self portrait**: Switch between the back camera and the front camera, for self-portraits.
   - **Flash**: Choose Off, On, or Auto flash.
   - **Shooting mode**: Choose an automatic shooting mode. Some modes are not available for Self-portraits.
     - **Single shot**: Take a single photo.
     - **Best photo**: Takes a series of photographs, then choose the best photo to keep. Tap Done to select the photo.
     - **Best face**: takes a series of photographs simultaneously, then allows you to cycle through the available thumbnails and choose the best photo showing the subject's best face. Tag subject from the image, tap a desired image, and select Save to store the photo.

- **Sound & shot**: Use this mode to enrich pictures by adding background sounds for a few seconds. The background sound is recorded for up to 9 seconds after taking the photo.
- **Face detection**: While composing a picture, double-tap on a face to zoom in or out.
- **Panorama**: Touch Capture to take a picture; then use the on-screen guideline to move the viewfinder and take the next 7 shots automatically.
- **Share shot**: Share the pictures you take, with other Share Shot-capable devices via Wi-Fi Direct. For more information, see *"Using Share Shot"* on page 88
- **HDR**: Take photos in High Dynamic Range (HDR) mode to increase detail.
- **Buddy photo share**: When you take a picture, the Camera recognizes faces from Contacts, so you can easily share the picture with your friends.
- **Beauty**: Adjust the contrast to create a smooth facial feature effect.
- **Smile shot**: Touch Capture to focus on the subject's face. If a smile is detected, the picture is taken automatically.
- **Low light**: Adjust exposure automatically, for optimum picture-taking in low-light conditions. Be careful not to shake the device while taking pictures.

• **Effects**: Apply an effect to pictures.

• **Settings**
- **Edit shortcuts**: Choose shortcuts to appear on the toolbar. Touch and drag shortcuts between the toolbar and the list.
- **Use the volume key as**: set the volume button to function as either a zoom key or camera key.
- **Burst shot**: captures several quick succession shots when you touch and hold the Camera button.
- **GPS tag**: turns GPS On or Off (also known as Geo-tagging). The location of where the picture is taken attaches to the picture.
- **Self-portrait**: When On, the Camera takes pictures with the front Camera.
- **Flash**: Choose the default flash mode.
- **Shooting mode**: Choose the default mode for taking pictures.
- **Effects**: Apply an effect to pictures.
- **Scene mode**: Choose a mode to match the kind of pictures you're taking.
- **Exposure value**: Set the default brightness level.

– **Focus mode**: Set the default focus mode.
– **Timer**: Set a delay to wait between touching the Camera button and taking a picture.
– **Resolution**: Choose a size for the image.
– **White balance**: Choose a setting for the light source.
– **ISO**: Choose a setting for imaging sensitivity.
– **Metering**: Select a method for measuring light.
– **Auto contrast**: Allow automatic light/dark adjustment.
– **Guidelines**: Enable or disable an on-screen grid to aid in photo composition.
– **Auto share shot**: allows you to make share shot an automatic action.
– **Anti-Shake**: When enabled, minimizes the effect of camera movement.
– **Contextual filename**: (requires GPS tagging) allows you to adjust the filename based on contextual information such as your current GPS location.
– **Voice control**: use your voice to take a new photo vs tapping the Camera button. activate the camera function then uses commands such as “Capture”, “Shoot”, “Smile”, or “Cheese” to take the new photo.
– **Save as flipped**: automatically saves a new images as a mirror image “flipped” of the original.
– **Image quality**: Choose a quality setting for photos.
– **Storage**: If an optional memory card is installed (not included), choose the default storage location for pictures.
– **Reset**: Set all Camera settings to the defaults.

### *Recording Videos*

Use the Camera to record video.

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**Important!** Do not take videos of people without their permission.
Do not take videos in places where cameras are not allowed.
Do not take videos in places where you may interfere with another person’s privacy.

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1. From the Home screen, touch **Apps** → **Camera** → **Camera/Camcorder**.
2. Using the display as a viewfinder, compose your shot by aiming the lens at the subject. You can rotate the phone to any position, and the screen controls rotate to make recording easy.

3. As you compose a shot, the Camera automatically focuses the shot (the focus bracket turns green), or you can:
   - "Pinch" the screen to zoom in or out.
   - Configure options. For more information, see *"Video Options"* on page 87.
4. To start recording, touch **Record**. During recording:
   - Touch to capture a still shot. This feature is not available when the Anti-shake option is enabled.
   - Touch the screen to focus on the area you touched.
   - Touch the **Stop** button to stop recording.

### *Video Options*

Configure the camcorder.

1. From the Home screen, touch **Apps** ➔ **Camera** ➔ **Mode**.
2. Use these options to configure the camera:
   - **Self recording**: Record video with the front lens.
   - **Flash**: Choose Off or On.
   - **Recording mode**: Choose a recording mode, from:
     - **Normal**: Record a video of any length.
     - **Limit for MMS**: Restrict the length of the video so it can be sent as a message attachment.
     - **Slow motion**: adds a slow motion effect to the video.
     - **Fast motion**: adds a fast motion effect to the video.
   - **Effects**: Apply an effect to videos
   - **Settings**:
     - **Edit shortcuts**: Choose shortcuts to appear on the toolbar. Touch and drag shortcuts between the toolbar and the list.
     - **Use the volume key as**: set the volume button to function as either a zoom key or camcorder key.
     - **GPS tag**: allows you to turn GPS On or Off (also known as Geo-tagging). The location of where the video is shot is attached to the file.
     - **Self-recording**: When On, the Camera records with the front Camera.
     - **Flash**: Choose the default flash mode.
     - **Recording mode**: Choose the default recording mode.
     - **Effects**: Apply an effect to videos.
     - **Exposure value**: Set the default brightness level.
     - **Timer**: Set a delay to wait between touching Record and starting recording.

– **Resolution**: Choose a size for the image.
– **White balance**: Choose a setting for the light source.
– **Guidelines**: Enable or disable an on-screen grid to aid in video composition.
– **Anti-Shake**: When enabled, minimizes the effect of camera movement.
– **Contextual filename**: requires GPS tagging) allows you to adjust the filename based on contextual information such as your current GPS location.
– **Save as flipped**: allows you to automatically save a new video as a mirror image "flipped" of the original.
– **Video quality**: Choose a quality setting for videos.
– **Storage**: Choose the default save location for videos, if an optional memory card is installed (not included).
– **Reset**: Set all settings to the defaults.

## *Sharing Pictures and Video*

### Using Share Shot

Set up a connection with other Wi-Fi Direct devices, and then take pictures to share them in real time.

1. Turn on Wi-Fi Direct. For more information, see *"Turning Wi-Fi Direct On or Off"* on page 108.
2. Enable Share Shot shooting mode in Camera:
   - From the Home screen, touch **Apps** ➔ **Camera**.
   - Touch **Settings** ➔ **Shooting mode** ➔ **Share shot**.
   - Touch ; then select devices to share your pictures with.
3. Take photos. For more information, see *"Taking Pictures"* on page 83. The photos you take while in Share Shot mode are shared automatically with connected devices, and your phone displays an alert in the Status bar and Notifications.

### Using S Beam

Enable NFC and S Beam, and then share pictures, videos (and other files) with other NFC-capable devices.

1. Activate NFC. For more information, see *"NFC and Beaming"* on page 112.
2. Activate S Beam. For more information, see *"S Beam"* on page 112.
3. Choose pictures, videos, or other files for sharing. These files can be in Gallery, from My files, or from another app with file-sharing capability.
4. Select a file to display it; then touch the devices, back to back. At the prompt, touch the picture to beam it to the other device.

## ChatON

Provides a global service where you can chat with more than 2 buddies using a group chat. Share things such as pictures, videos, animation messages (Scribbles), audio, Contacts, Calendar entries, and Location information.

**Important!** Your Samsung account manages the access information (username/password) to several applications, such as AllShare Play, ChatON, and Media Hub.

(For more information, visit: https://web.samsungchaton.com and see *"Accounts"* on page 50.)

- From the Home screen, touch **Apps** → **ChatON**.

## Chrome

The Google Chrome app allows you to use the Google Chrome Web browser on your device.

- From the Home screen, touch **Apps** → **Chrome**.

## City ID

Subscribe to City ID to display city and state for incoming calls and to look up city and state information for phone numbers.

**Note:** City ID requires a subscription, after a limited free trial.

- From the Home screen, touch **Apps** ➔ **City ID**.

## Clock

The Clock application includes these features:

- **Alarm**: Create alarms to go off once, or to repeat.
- **World clock**: Display the time and date in any time zone.
- **Stopwatch**: Record lap times.
- **Timer**: Measure elapsed time.
- **Desk clock**: Display the date and time in large format, for easy viewing.

- From the Home screen, touch **Apps** ➔ **Clock**.

## Contacts

Use Contacts to store information for your friends, family and colleagues, to make contacting them easy.

For more information, see *"Contacts"* on page 43.

- From the Home screen, touch **Apps** ➔ **Contacts**.

## Daily Perks

View helpful tips, discounts, local weather, news, and more.

- From the Home screen, touch **Apps** ➔ **Daily Perks**.

## Downloads

View and manage files and other items you download to your phone.

1. From the Home screen, touch **Apps** ➔ **Downloads**.
2. Touch an item to open it (if an appropriate application is installed.)

**Note:** Applications you download in Google Play™ Store are managed in Play Store, and will not appear in Downloads.

## Dropbox

Dropbox is a "cloud" file storage service. The Dropbox app lets you create an account with Dropbox or link with your existing Dropbox account. (For more information, refer to https://www.dropbox.com/.)

- From the Home screen, touch **Apps** ➔ **Dropbox**.

## Email

Send and receive email using popular email services.

For more information, see *"Email"* on page 75.

- From the Home screen, select **Apps** ➔ **Email**.

Use to view, capture, and manage pictures and videos.

## Flipboard

This application creates a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds, and other related material.

(For more information, go to http://flipboard.com/.)

1. From the Home screen, touch **Menu** ➔ **Apps** ➔ **Flipboard**.
2. Touch **Get started**, select some on-screen categories and touch **Done** to create a new profile.

   – or –

   Touch **Tap to sign in** to log into your previously created profile.
3. Follow the on-screen instructions.

## G+ Photos

This application provides a shortcut to the Photos tab inside the Google+ app.

1. From the Home screen, touch **Apps** ➔ **G+ Photos**.
2. Follow the prompts.

# Gallery

## Viewing Videos

1. From the Home screen, touch **Apps** ➔ **Gallery**.
2. Touch an album; then touch a video to play it.
3. While viewing videos, touch **Menu** for options.

## Viewing Pictures

1. From the Home screen, touch **Apps** ➔ **Gallery**.
2. Touch an album; then touch a picture to view it.
3. While viewing a picture, touch the screen, or touch **Menu** for options.

## Sharing pictures and video

You can share pictures and videos via Email, Messaging, Bluetooth or popular sharing services.

1. From the Home screen, touch **Apps** ➔ **Gallery**.
2. Touch an album to display thumbnails. Select items for sharing:
   - To select an item, touch **Menu➔ Select item** while viewing thumbnails. Touch thumbnails to mark them for sharing.
   - To sort items, touch **Menu ➔ Group by** while viewing the thumbnails and select from Location, Time, Person or Group.
3. Touch **Share via**. Follow the prompts.

## Setting a Picture as a Contact Photo

Set a picture as a contact's photo. The contact's photo will appear with notifications to calls or messages from the contact.

1. From the Home screen, touch **Apps** ➔ **Gallery**.
2. Touch a category, and then touch a picture to select it.
3. Touch **Menu ➔ Set as ➔ Contact photo**.
4. Select a contact, or create a new contact, with the selected picture as the contact's photo.

### *Setting a Picture as Wallpaper*

Set a picture as the wallpaper for the Home and Lock screens.

1. From the Home screen, touch **Apps** ➔ **Gallery**.
2. Touch a category, and then touch a picture to select it.
3. Touch **Menu** ➔ **Set as**.
4. Select an option, from Home and lock screens, Home screen wallpaper, or Lock screen wallpaper. Use the crop tool to edit the picture. Touch **Done**.

## Game Hub

Game Hub is a premium game service that lets you play, connect and share games. Game Hub comes pre-packed with the most popular social games on the market, as well as a variety of premium HD games.

- From the Home screen, touch **Apps** ➔ **Game Hub**.

## Gmail

Send and receive emails via Gmail, Google's web-based email.

For more information, see *"Gmail"* on page 77.

- From the Home screen, touch **Apps** ➔ **Gmail**.

## Google

Use Google to search the Web.

- From the Home screen, touch **Apps** ➔ **Google**.

**Tip:** You can also access Google Search from the Google widget on the Home screen.

## Google+

Google+ makes messaging and sharing with your friends a lot easier. Set up Circles of friends, visit the Stream for updates from your Circles, use Messenger, or use Instant Upload to automatically upload photos and videos from your phone to your private album on Google+.

For more information, visit: www.google.com/+

- From the Home screen, touch **Apps** ➔ **Google+**.

## Google Settings

Google Settings lets you quickly and easily change shared settings to tailor a number of Google apps at the same time to suit your needs.

- From the Home screen, touch **Apps** ➔ **Google Settings**.

## Group Play

Using Group Play, you can share documents or photos you are viewing, or music you are listening to, with other devices connected to the same Wi-Fi network with your device.

1. From the Home screen, touch **Apps** ➔ **Group Play**. The **Welcome to Group Play!** screen displays.
2. Touch **Next** for Group Play instructions.

## Hangouts

Previously known as Google Talk™, is an updated free web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts.

**Note:** You must sign up for and log in to a Gmail account before using this application.

- From the Home screen, touch **Apps** ➔ **Hangouts**.

## Help

Learn about your device.

- From the Home screen, touch Apps ➔ Help.

## IMDb

Search movies and actors, view trailers and showtimes, explore top charts and box office information, and add movies and TV to your personal Watchlist.

- From the Home screen, touch Apps ➔ IMDb.

## Internet

Your phone is equipped with a full HTML Browser, which allows you to access the internet.

- From the Home screen, touch Internet.

  – or –

  From the Home screen, touch Apps ➔ Internet.

### *Navigating the Internet*

#### Command Keys

- To return to the previous page, touch Back.
- To go forward, touch Forward.

#### Touching and dragging

- Touch and drag your finger on the screen to navigate pages, and to reposition pages within the screen.

#### Entering text in a field

- While browsing, touch a text field to display the virtual QWERTY keyboard to enter text.

#### Zoom

- Tap the screen twice to zoom in or out.

#### Selecting items on a page

While browsing pages, use gestures and menus to navigate:

- Touch an item to select it.
- Touch a hyperlink to follow the link.
- Touch and hold on a hyperlink for options.

#### Entering a URL

Access a website quickly by entering the URL.

1. From the Home screen, select Internet.
2. Touch the **URL** field at the top of the screen to enter the URL using the virtual QWERTY keyboard; then touch **Go**.

## KNOX

Samsung KNOX is a comprehensive enterprise mobile solution for use with both work and play. With the increasing use of smartphones in businesses, Samsung KNOX addresses the mobile security needs of enterprise IT without invading the privacy of its employees. This application must be downloaded to the device before use.

For more information, go to: www.samsung.com/knox.

1. From the Home screen, touch **Apps** ➔ **KNOX**.
2. Tap **Install** and read the on-screen Terms and Conditions, agree to the terms and touch **Confirm**.
3. Follow the prompts.

## Maps

Use Google Maps to find your current location, plus get directions and other location-based information.

**Note:** You must enable location services to use Maps, and some features require Standalone or Google location services. For more information, see *"Location services"* on page 159.

- From the Home screen, touch **Apps** ➔ **Maps**.

### *Navigating the Map*

#### Zooming

- Double-tap on the screen to zoom in.
- Touch Zoom in or Zoom out.

#### Scrolling

- Touch and drag on the screen to reposition the map in the display.

#### Touch

- Touch an icon on the map to display information about the location.

## Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. Preview, rent, or buy blockbuster hits as well as classic movies and TV shows.

For more information, visit:
http://www.samsung.com/us/mediahub/

**Note:** Renting or purchasing content in Media Hub requires a Samsung account.

1. From the Home screen, select **Apps** ➔ **Media Hub**.
2. Browse content. Follow the prompts to buy or rent. You must have a Samsung account to rent or buy media.

## Messaging

Send and receive text and multimedia messages.

For more information, see *"Text and Multimedia Messaging"* on page 70.

- From the Home screen, touch **Messaging**.

– or –

From the Home screen, touch **Apps** ➔ **Messaging**.

## Mobi TV

You can watch television shows on your device. Select from a list of options.

From the Home screen, touch **Apps** ➔ **Mobi TV**.

**Important!** After a trial period, charges for service apply. Contact your Wireless Provider for details.

## Music

Music Player plays songs stored on your phone or an installed memory card.

1. From the Home screen, select **Apps** ➔ **Music**.
2. Music Player scans for songs stored in phone memory, or on an installed memory card and displays your songs on the **All**, **Playlists**, **Albums**, **Artists**, **Music Square**, **Folders**, and **Backup+ Music** tabs.
3. Touch a video to begin playback. During playback, use the sound and playlist controls:

**Volume**: Touch to activate on-screen volume control; then touch and drag on the scale to set volume, or press the Volume Key on the side of the phone to adjust playback volume. If you have motion settings turned on, place the phone screen-down to mute playback.

**Shuffle**: When enabled, songs play in random order. When disabled, songs play in the order they appear in List view.

**Repeat**: Touch to repeat the current song, repeat all songs, or disable repeat mode.

**List**: Touch to switch to a list view of songs.

**Now Playing**: Touch to display the current song title and details.

Touch to choose an effect for music playback.

Touch to advance to the next song.

Touch and hold to scan forward through the current song.

Touch to go back to the previous song. Touch and hold to scan backward through the current song.

Touch to pause playback.

Touch to resume playback.

### Creating a Playlist

1. From the Home screen, select **Apps** ➔ **Music Player** ➔ **Playlists**.
2. Touch **Menu** ➔ **Create Playlist**. Enter a name for the playlist.
3. Touch **OK**.
4. Touch **Add music** to choose music for the playlist.

### Adding a song to a playlist

1. From the Home screen, select **Apps** ➔ **Music Player**.
2. Touch and hold on a song; then choose **Add to playlist** from the pop-up menu.
3. Touch a playlist to add the selected song to it, or touch **Create playlist** to create a new playlist and add the selected song to it.

### *Adding multiple songs to a playlist*

1. From the Home screen, select **Apps** ➔ **Music Player**.
2. Touch **Menu** ➔ **Add to playlist**.
3. Touch songs to select them, or touch **Select all**; then touch **Done**.
4. Select a playlist, or touch **Create playlist** to create a new playlist.

### *Setting a Song as a Ringtone*

You can set a song as a ringtone for all voice calls, for calls from an individual contact, or as an alarm tone.

1. From the Home screen, select **Apps** ➔ **Music Player**.
2. Touch and hold on a song. Touch **Set as** and choose from these options:
   - **Phone ringtone**: Set the song as the default ringtone for all incoming voice calls.
   - **Caller ringtone**: Choose a contact to set the song as the ringtone for calls from the contact.
   - **Alarm tone**: Set the song as the alarm ringtone for a new alarm, or for an existing alarm.

## Music Hub

Music Hub is all the music you want in one integrated mobile and web service. Upload your music collection to the cloud, and access our entire catalog of millions of songs. Enjoy personal and genre radio and discover new music every day with customized recommendations.

For more information, visit: www.musichub.com

- From the Home screen, touch **Apps** ➔ **Music Hub**.

## My Files

Find, view and manage files stored on an installed memory card. If the file is associated with an application on your phone, you can launch the file in the application.

1. From the Home screen, touch **Apps** ➔ **My Files**.
2. Tap a folder and swipe your finger on the screen to browse files.
3. Touch a file to open it (if the file is associated with an application).

4. While browsing files, use these controls:
   - Touch **Up** to go back up to a higher directory.
   - Touch **Home** to go back to the root directory.
   - Touch **Menu** for options.

## Paper Artist

Create your own artwork, or import a picture from Gallery to add special touches.

- From the Home screen, touch **Apps** ➔ **Paper Artist**.

## PEN.UP

This is a social network dedicated to sharing inspiring artworks created by clever people using the S Pen. Join the PEN.UP community through your Samsung, or Facebook account, or just enjoy the various artworks by browsing through the posts and view the artwork.

- From the Home screen, touch **Apps** ➔ **PEN.UP**.

## Phone

Place calls, review recent calls, or dial a number to send a message.

For more information, see *"Calling"* on page 54.

- From the Home screen, touch **Phone**.

## Play Books

Google Books is now Google Play™ Books. Discovering your favorite books and authors has never been easier. With Google Play Books, you can shop the world's largest selection of ebooks and read them anywhere you like - on a tablet, phone, ereader, or the Web.

- From the Home screen, touch **Apps** ➔ **Play Books**.

## Play Games

Use this application to download and play games.

- From the Home screen, touch **Apps** ➔ **Play Games**.

## Play Magazines

Subscribe to your favorite magazines, and have them available to read on your device any time, in any place.

- From the Home screen, touch **Apps** ➔ **Play Magazines**.

## Play Movies & TV

With Google Play™ Movies & TV, you can rent thousands of different movies, to watch instantly, or download for offline viewing later. You'll need to have a Google account set up on your device to download content.

- From the Home screen, touch **Apps** ➔ **Play Movies & TV**.

## Play Music

With Google Play™ Music, you can play music you've downloaded, and music you copied from your computer. You'll need to have a Google account set up on your phone to download a new application.

- From the Home screen, touch **Apps** ➔ **Play Music**.

## Play Store

Android Market is now Google Play™ Store, where all your favorite books, movies, apps, and games are all in one place that's accessible from the Web and your Android device. You'll need to have a Google account set up on your phone to download a new application.

1. From the Home screen, select **Apps** ➔ **Play Store**.
2. The first time you open Play Store, read the Terms of Service. Touch **Accept** to continue.
3. Browse for applications to download. Follow the prompts.

## Polaris Office 4.0

Manage Microsoft Office documents, and PDF files, online or offline.

- From the Home screen, touch **Apps** ➔ **Polaris Office 4.0**.

## S Note

Record ideas instantly and freely with memos containing text, pictures, handwritten notes or drawings, and voice recordings.

- From the Home screen, select **Apps** ➔ **S Note**.

**Note:** Press **Menu** ➔ **Tutorial** to learn more about S Note.

## S Suggest

S Suggest presents recommendations for popular applications you can install on your phone.

- From the Home screen, select **Apps** ➔ **S Suggest**.

## S Voice

Use S Voice to speak commands to perform operations on your phone, and to speak criteria for searches and other operations. Just speak naturally, and S Voice understands what you're looking for. use the power of S Voice to find everything from directions to trivia answers to the current weather forecast.

1. From the Home screen, select **Apps** ➔ **S Voice**.
2. Say "Hi Galaxy", or touch to wake up S Voice; then speak a command or question. Touch for a list of commands; then touch a command to see examples.
3. Touch **Menu** ➔ **Settings** to configure settings to your preferences.

**Tip:** You can launch S Voice from most unlocked screens by pressing the **Home Key** twice. This is possible when the following steps are set, **S Voice** **Menu** ➔ **Settings** ➔ **Open via the home key**. And the default setting value is **Off**.

## Samsung Apps

Samsung Apps allows you to easily download many different types of applications to your phone. You can download games, news, reference, social networking, navigation, and other applications.

1. From the Home screen, select **Apps** ➔ **Samsung Apps**.
2. Read the Disclaimer, Terms and conditions, and Privacy policy and touch **Accept** to continue.
3. Follow the prompts.

## Samsung Link

Samsung Link is a smart remote that allows you to use your phone to control your TV and other devices.

The Samsung account manages the access information (username/password) to several applications, such as Samsung Link.

**Important!** You must first connect both of your communicating devices to the same Wi-Fi and be using an active/registered Samsung account prior to using this application.

1. From the Home screen, touch **Apps** ➔ **Samsung Link**.
2. Touch **Sign in** to sign in to Samsung Link.
3. Touch **Sign in** again and sign in to your Samsung account.
4. Follow the prompts.

## Settings

Configure your phone to your preferences. For more information, see *"Settings"* on page 117.

- From the Home screen, touch **Apps** ➔ **Settings**.

## Slacker

Slacker offers free, internet radio for mobile phones.

- From the Home screen, touch **Menu** ➔ **Apps** ➔ **Slacker**.

**Important!** You must register and create a free account prior to using this service.

## Tone Room Deluxe

Tone Room Deluxe is a service that enables you to access the latest and hottest content from your favorite artists for ringtones and ring back tones from your phone or the Web.

- From the Home screen, touch **Apps** ➔ **Tone Room Deluxe**.

## Video Player

Use Video Player to view and manage videos stored on an installed memory card, or shop for new videos.

1. From the Home screen, touch **Apps** ➔ **Video**.
2. Video Player scans for videos stored in phone memory, or on an installed memory card, and displays your videos on the **Thumbnails**, **List**, and **Folders** tabs.
3. Touch a video to play it. While playing a video, touch the screen to display or hide on-screen Forward, Pause, and Back playback controls.
4. During playback, use the sound and playlist controls:

**Volume**: Touch to activate on-screen volume control; then touch and drag on the scale to set volume, or press the Volume Key on the side of the phone to adjust playback volume. If you have motion settings turned, turn the phone screen-down to mute playback.

**Full screen**: Switch to viewing the video in full screen mode, to use the entire display.

**Pop Up Play**: Touch to display the video in a small window at the top right corner of the screen, so you can watch the video while using other phone features. Touch the small window to return to Video Player. Only available for non-DRM protected videos.

Touch to advance to the next song. Touch and hold to scan forward through the current song.

Touch to go back to the previous song. Touch and hold to scan backward through the current song.

Touch to pause playback. Touch to resume playback.

5. While playing a video, touch **Menu** for options.

## Voice Recorder

Record your voice or other sounds, and share recordings via Bluetooth, Messaging, or Gmail.

- From the Home screen, touch **Apps** ➔ **Voice Recorder**.

## Voice Search

Use voice commands to search the web with Google.

- From the Home screen, touch **Apps** ➔ **Voice Search**.

## VPN Client

Easily configure connections to a VPN (Virtual Private Network).

- From the Home screen, touch **Apps** ➔ **VPN Client**.

## Wallet

- From the Home screen, touch **Apps** ➔ **Wallet**.

## Wi-Fi Now

Wi-Fi Now automatically connects your device to Wi-Fi and helps you save on mobile data usage.

- From the Home screen, touch **Apps** ➔ **Wi-Fi Now**.

## Your Navigator

Your Navigator provides voice guided turnby-turn navigation information on an interactive map.

- From the Home screen, touch **Apps** ➔ **Your Navigator**.

## YouTube

View and upload YouTube videos, right from your phone.

- From the Home screen, select **Apps** ➔ **YouTube**.

## Zappos

Shop for merchandise on Zappos.com.

- From the Home screen, select **Apps** ➔ **Zappos**.

## Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks.

Wi-Fi communication requires access to an existing Wi-Fi network. Wi-Fi networks can be Open (unsecured), or Secured (requiring you to provide login credentials).

Your phone supports the 802.11 a/b/g/n Wi-Fi protocols.

### *Configuring Wi-Fi Settings*

Configure your phone's Wi-Fi settings. For more information, see *"Wi-Fi Settings"* on page 119.

### *Turning Wi-Fi On or Off*

Turn your phone's Wi-Fi service on or off. When you turn Wi-Fi service on, your phone automatically searches for nearby available Wi-Fi networks.

**Tip:** When you turn Wi-Fi service on, your phone automatically searches for available networks and displays them.

You can also turn Wi-Fi On or Off from Settings.

1. From the Home screen, sweep your finger downward to display Notifications.
2. If Wi-Fi is not already on, touch **Wi-Fi Off** to turn on Wi-Fi.

   – or –

   Touch **Wireless network available** to launch Wi-Fi settings; then touch **Wi-Fi**

.

### *Scanning and Connecting to a Wi-Fi Network*

When you turn on Wi-Fi, your phone searches for available Wi-Fi connections and then displays them.

1. From the Home screen, sweep your finger downward to display Notifications.
2. If Wi-Fi is not already on, touch **Wi-Fi Off** to turn on Wi-Fi.

   – or –

   Touch **Wireless network available** to launch Wi-Fi settings; then touch **Wi-Fi**

.
3. When your phone completes a scan, touch a Wi-Fi network to connect. If the Wi-Fi network is open, you will be automatically connected. If the Wi-Fi network is secured, enter the password at the prompt to connect.

### *Adding a Wi-Fi Network Manually*

1. From the Home screen, sweep your finger downward to display Notifications.
2. If Wi-Fi is not already on, touch **Wi-Fi Off** to turn on Wi-Fi.

   – or –

   Touch **Wireless network available** to launch Wi-Fi settings; then touch **Wi-Fi**

.
3. On the pop-up Wi-Fi settings screen, touch **Add Wi-Fi Network** (below the scanned networks). Enter these fields:
   - **Network Name (SSID)**: Enter the name of the Wi-Fi network.
   - **Security**: Select the type of security used by the Wi-Fi network.
   - **Password**: If the network is secured, enter the password.
4. Touch **Connect** to save the settings and connect to the network now, or **Save** to save the network settings for future use.

## Wi-Fi Direct

Wi-Fi Direct is a standard that allows devices to connect to each other directly via Wi-Fi, without a Wi-Fi network or hotspot, and without having to set up the connection. This type of connection is commonly called peer-to-peer.

For example, your device can use Wi-Fi Direct to share photos, contacts and other content with other Wi-Fi Direct devices. Many of the apps on your device provide options for sharing via Wi-Fi Direct under **Menu**.

### *Turning Wi-Fi Direct On or Off*

1. From the Home screen, touch **Menu**; then select **Settings** ➔ **Wi-Fi**.
2. Touch **Wi-Fi Direct** at the bottom of the screen to turn Wi-Fi Direct On or Off.

### *Connecting to Wi-Fi Direct Devices*

1. First, enable Wi-Fi Direct on your device. From the Home screen, touch **Menu**; then select **Settings** ➔ **Wi-Fi**; then touch **Wi-Fi Direct**.
2. Enable Wi-Fi Direct on the other device(s). Consult the other device's documentation for more information.
3. On your device, touch **Wi-Fi Direct** to scan for the other device(s).
4. In the scanned list, touch a device to connect with it, or touch **Multi-connect** to connect to multiple devices (not all devices support multi-connect).
5. Follow the prompts on both devices to complete the connection.

# Bluetooth

**Note:** For Hearing Aid Compatibility Information, see page 186.

Bluetooth is a short-range wireless communications technology for exchanging information over a distance of about 30 feet. You don't need to line up the devices to send information with Bluetooth. If the devices are in range, you can exchange information between them, even if they are in different rooms.

Your device can use Bluetooth to share photos, contacts and other content with other Bluetooth devices. Many of the apps on your device provide options for sharing via Bluetooth under **Menu**.

## *Configuring Bluetooth Settings*

Configure your phone's Bluetooth settings. For more information, see *"Bluetooth settings"* on page 121.

**Note:** Bluetooth profiles are specifications for services supported by individual devices.

## *Turning Bluetooth On or Off*

1. From the Home screen, touch **Menu**; then select **Settings**.
2. Touch **Bluetooth** OFF ON to turn Bluetooth On or Off.

**Tip:** You can also turn Bluetooth On or Off on Notifications. From almost any unlocked screen, sweep your finger down from the Status bar to display Notifications.

## *Pairing with a Bluetooth Device*

Search for a Bluetooth device and pair with it, to exchange information between your phone and the device.

After pairing, your phone and the target device will recognize each other and exchange information without a passcode or PIN.

**Note:** When paired, the **Bluetooth paired** icon displays in the Status Bar. If you receive a new request for pairing while paired with a Bluetooth headset, a new Bluetooth icon displays at the left of the Status bar and Notifications displays the pairing request.

1. From the Home screen, touch **Menu**; then select **Settings → Bluetooth**.
2. Touch **Bluetooth**

to turn Bluetooth On.
The device starts scanning for available devices.
3. Activate the target device's discoverable mode.
4. Touch **Scan**.
5. From the list of scanned devices, touch the target device. Follow the prompts to complete the pairing:
   - If the target device requires a PIN, enter a PIN for the target device and touch **OK**. When prompted, enter the PIN on the target device.
   - If the device allows automatic or smart pairing, your phone will attempt to pair with the phone automatically. Follow the prompts on your phone and the target device to complete the pairing.

## VPN

You can use your phone's VPN (Virtual Private Network) feature to connect to VPNs.

### *Configuring VPN Settings*

Configure your phone's VPN settings. For more information, see *"VPN"* on page 128.

**Note:** You must enable at least Pattern security before setting up a VPN. If you have not yet enabled security, you'll be prompted to do so the first time you launch VPN settings.

### *Adding a VPN*

1. From the Home screen, touch **Menu**; then select **Settings → Connections → More networks → VPN**.
2. Touch **Add VPN network** to set up a connection to a VPN. Available settings depend on the type of VPN.

## Tethering

Use Tethering to share your phone's internet connection with a computer that connects to your device via USB cable, or by Bluetooth.

Touch **Help** under Tethering settings to view information about tethering, and for links to more information.

**Note:** Mobile Broadband Connect may require a subscription to Mobile Hotspot/Mobile Broadband Connect service. Contact Verizon Wireless for more information. Mobile Hotspot consumes battery power and uses data service. While the Mobile Hotspot is active, your device's applications will use the Mobile Hotspot data allowance.

### *Mobile Broadband Connect*

Use Mobile Broadband Connect to share your device's network connection with a computer that connects to your device via USB cable.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab ➔ **USB Tethering**.
2. Connect the other device to your device via USB cable.
3. Touch **Mobile Broadband connect** to turn tethering On or Off.

### *Bluetooth tethering*

Before starting, pair your computer with your phone, and then configure your computer to obtain its network connection via Bluetooth.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab ➔ **More networks** ➔ **Tethering and portable hotspot**.
2. Touch **Bluetooth tethering** to turn tethering On or Off.

**Important!** Tethering consumes battery power and increases your data usage. Roaming while using tethering will incur extra data charges.

## NFC and Beaming

Use NFC (Near Field Communication) to share information between your device and another NFC device by beaming, typically by touching the devices together back-to-back.

Your device uses NFC for the S Beam feature. NFC must be turned on to use S Beam.

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab and touch the **NFC** slider to turn NFC ON.

**Note:** NFC must be turned on to use S Beam.

## S Beam

Share more and share it faster with S Beam. From photos to documents, large video files to maps, you can share almost anything instantly with one touch, simply by placing your phones back-to-back.

S Beam uses your phone's NFC (Near Field Communication) feature to send, or "beam", content to other NFC and Wi-Fi Direct devices, by holding the devices close together.

S Beam works in the background. Use the sharing options from your favorite apps to select content to share via S Beam. For example, you can beam pictures or videos from, or songs from Music player. Just bring the devices together (typically back to back), and tap the screen.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab.

   **Note:** NFC must be turned on to use Android Beam or S Beam.

2. Touch **Back**, to return to the **Connections** tab, then under **Connect and share**:

3. Touch the **S Beam** slider OFF to turn S Beam ON.

   – or –

   Touch the **S Beam** slider ON to turn S Beam OFF.

**Note:** If you turn on S Beam, NFC is automatically turned On.

## Nearby devices

Share files with nearby devices using DLNA (Digital Living Network Alliance) standards, over Wi-Fi.

To share with nearby devices, you must connect to a Wi-Fi network. The devices you wish to share files with must also be connected to the same Wi-Fi network and must support DLNA.

**Important!** Use care when enabling file sharing for nearby devices. When enabled, other devices can access data on your device.

### *Turning File sharing On or Off*

1. From the Home screen, touch **Menu** → **Settings** → **Connections** tab. The **Nearby devices** screen displays.
2. Touch the **Nearby devices** slider OFF to turn Nearby devices ON.

### *Configuring File Sharing*

1. From the Home screen, touch **Menu** → **Settings** → **Connections** tab. The **Nearby devices** screen displays.
2. Touch the **Nearby devices** slider OFF to turn Nearby devices ON.
3. Under **Advanced**, touch options to control how content is shared from your device:
   - **Shared contents**: Choose the type of content to share, from **Videos**, **Photos**, or **Music**.
   - **Allowed devices list**: View and manage devices allowed to connect to your device.
   - **Not-allowed devices list**: View and manage devices restricted from connecting to your device.
   - **Download to**: Choose a location to save downloaded content, from USB storage (phone memory) or SD card.
   - **Upload from other devices**: Choose how to handle incoming files from other devices, from **Always accept**, **Always ask**, or **Always reject**.

## Connecting to a Computer

Connect your device to a computer to transfer data between your device and the computer. Use the USB cable that comes with your device, or use one of the pre-loaded apps on your device to connect wirelessly.

### *Transferring Data*

Connect your device to a computer, via USB cable, to transfer data as a Media device using MTP (Media Transfer Protocol), or as a Camera using PTP (Photo Transfer Protocol).

1. Attach your phone to the computer with a USB data cable. Your phone recognizes the connection as the last connection method you used, and displays a connection alert in the Status bar and Notifications.
2. From the Home screen, sweep your finger downward to display Notifications. Touch the alert.
3. Select a connection method:
   - **Media device (MTP)**: Transfer media files with Windows, or using Android file transfer on a Mac (see www.android.com/filetransfer).
   - **Camera (PTP)**: Transfer photos using camera software, and transfer files to computers that do not support MTP.
4. On your computer, choose a method for accessing your device. Available options depend on the programs installed on your computer.
5. Transfer files to the memory card. When finished, you can disconnect the USB cable.

## Connecting to Video Devices

You can connect your phone to video devices, such as a TV, dock, or gaming system, to view content from your phone on the other device. This type of connection uses an optional HDTV Smart Adapter (not included), to connect your phone's USB/Accessory Port to the other device's HDMI port.

## Memory Card

Your device supports removable microSD™ or microSDHC™ memory cards of up to 64GB capacity, for storage of music, pictures, videos, and other files.

By default, files that you download, or that you create with your device, such as pictures and videos you capture with Camera, are stored to your device's memory. For more storage capacity, you can set the memory card as the primary storage location for apps with the app's options.

For more information about viewing memory usage for the memory card, see *"Storage"* on page 164.

### *Installing and Removing a Memory Card*

For more information about installing and removing a memory card, see *"Removing and Installing the Memory Card"* on page 7.

**Important!** To prevent damage to data stored on the memory card, unmount the card before removing it from the phone.

### *Mounting and Unmounting a Memory Card*

Mounting a memory card establishes the connection between your device and the card, to prepare for saving files to the memory card. In most cases, the phone mounts the card automatically when you install it, and displays the memory card status on Notifications.

Before removing the card, use the Mount/Unmount setting to unmount, it to prevent damage to data stored on the card.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔

**More** ➔ **Storage**.
2. Touch **Unmount SD card**. Follow the prompts.

### *Formatting a Memory Card*

Use the Format SD card setting to remove all data from an installed memory card.

**Important!** Data cannot be recovered after formatting.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **More** ➔ **Storage**. The **Storage** screen displays.
2. Touch **Format SD card**. Follow the prompts to confirm the deletion of data from the card.

# Section 8: Settings

## Accessing Settings

### From the Home screen

- Touch **Apps** ➔ **Settings**.

  – or –

  Touch **Menu**; then select **Settings**.

### From Notifications

- Touch and drag downward from the top of the screen to display notifications; then touch .

### *Settings Tabs*

Your phone's Settings are divided into 4 main groups. When the Settings screen displays, the following 4 tabs are located at the top of the screen:

**Connections**: Wi-Fi, Bluetooth, Data usage, More networks, NFC, S Beam, Nearby devices, and Screen Mirroring.

**My device**: Lock screen, Display, LED indicator, Sound, Home screen mode, Call, Blocking mode, Hands-free mode, Power saving mode, Accessory, Accessibility, One-handed operation, Language and input, Motion, Smart screen, Voice control, and S Pen.

**Accounts**: My accounts (Dropbox, Google, Samsung account, and Add account) and Backup options (Cloud and Backup and reset).

**More**: Location services, Security, Application manager, Battery, Storage, Date and time, and About device.

## Connections

To access your phone's Connections settings:

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab. The **Connections** screen displays.

### *Wi-Fi*

Set up and manage your phone's connections to Wi-Fi networks. Your phone supports Wi-Fi a/b/g/n.

(For more information about using Wi-Fi, see *"Wi-Fi"* on page 138.)

### *Turning Wi-Fi On or Off*

Turn your phone's Wi-Fi service on or off. When you turn Wi-Fi service on, your phone automatically searches for nearby available Wi-Fi networks.

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**Tip:** When you turn Wi-Fi service on, your phone automatically searches for available networks and displays them.

You can also turn Wi-Fi On or Off from the Notifications panel.

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**Turn Wi-Fi On:**

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab ➔ **Wi-Fi** OFF.

– or –

From the Home screen and others, touch and swipe the Status Bar downward, then touch **Wi-Fi**.

**Turn Wi-Fi Off:**

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab ➔ **Wi-Fi** ON.

– or –

From the Home screen and others, touch and swipe the Status Bar downward, then touch **Wi-Fi**.

## *Wi-Fi Settings*

Configure and manage connections to Wi-Fi access points.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab ➔ **Wi-Fi**. The **Wi-Fi** options screen displays.
2. Touch options to configure:
   - **Add Wi-Fi network**: Connect to a new Wi-Fi network (see *"Adding a Wi-Fi Network Manually"* on page 139).
   - **Scan**: Search for available Wi-Fi networks.
   - **Wi-Fi Direct**: Access Wi-Fi Direct settings (see *"Wi-Fi Direct"* on page 120.)
3. Touch **Menu** to access the following additional options:
   - **Advanced**: View and configure your phone's Advanced Wi-Fi settings.
   - **WPS push button**: Record/send the signal from the Wi-Fi Protected Set-up push button on your Wi-Fi router.
   - **WPS PIN entry**: Record/send the Wi-Fi Protected Set-up Personal Identification Number for your Wi-Fi router.

### Advanced Wi-Fi settings

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab, under **Network connections** ➔ **Wi-Fi** ➔ **Menu** ➔ **Advanced**.
2. Configure settings:
   - **Network notification**: When enabled, your phone notifies you of nearby Wi-Fi networks when you launch a high data-usage application.
   - **Sort by**: allows you to sort by alphabet or Signal strength.
   - **Keep Wi-Fi on during sleep**: Specify when to switch from Wi-Fi to mobile data for data communications, when the phone goes to sleep (when the backlight goes out). This setting can affect your data usage, and the behavior of devices you connect to your phone, such as when tethering or using Mobile Hotspot.
   - **Always allow scanning**: Allows the Google location service and other apps to scan for networks, even when Wi-Fi is turned off.
   - **Install certificates**: Allows you to install security certificates
   - that you have on a MicroSD card.

- **MAC address**: (Not configurable) View your phone's MAC address, needed for connecting to some secured networks (only shows when Wi-Fi is active).
- **IP address**: (Not configurable) View your phone's IP address (only shows when connected to a Wi-Fi network).

## *Wi-Fi Direct*

Wi-Fi Direct allows devices to connect to each other directly via Wi-Fi, without a Wi-Fi network or hotspot, and without having to set up the connection. For example, some printers support Wi-Fi Direct, and you could print from your phone via Wi-Fi Direct.

### Turning Wi-Fi Direct On or Off

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab ➔ **Wi-Fi** ➔ **Wi-Fi Direct**.

  The **Wi-Fi Direct** screen displays, and your phone scans for available Wi-Fi Direct devices and lists them under **Available devices**.

  (For information on connecting your phone to other Wi-Fi Direct devices, see *"Establishing Wi-Fi Direct Connections"* on page 140.)

## *Bluetooth*

Your phone supports Bluetooth® 4.0.

### Turning Bluetooth On or Off

**Turn Bluetooth On:**

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** **Connections** tab ➔ **Bluetooth** OFF.

**Turn Bluetooth Off:**

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** **Connections** tab ➔ **Bluetooth** ON.

**Tip:** You can also turn Bluetooth On or Off at the Notifications Panel.

### Bluetooth settings

Pair and connect with other Bluetooth devices, manage your Bluetooth connections, and control your device's visibility to other devices.

**Note:** Bluetooth must be turned On to access Bluetooth settings.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** **Connections** tab ➔ **Bluetooth**.
2. Touch a setting to configure Bluetooth:
   - Touch **Bluetooth** OFF to turn Bluetooth On, or touch **Bluetooth** ON to turn Bluetooth Off.
   - Under **My device**, touch your phone's name to enable/disable its visibility to other devices' Bluetooth searches. Available when Bluetooth is ON.
   - Touch **Scan** to search for visible Bluetooth devices. Touch a detected device to pair with it (see *"Pairing with a Bluetooth Device"* on page 141).

- Touch **Menu** to access the following options:
  - **Visibility timeout**: Select how long your phone will remain visible to other devices.
  - **Received files**: Lists files received from other devices over Bluetooth connections.
  - **Help**: Provides on-line instructions for using your phone's Bluetooth interface.

## *Data usage*

Control your device's connection to your Wireless Provider's data service, and monitor your data usage.

### Setting a mobile data limit

Setting a mobile data limit causes your phone to automatically disable the Mobile data connection when the limit is reached. You can set a warning threshold, to have your device alert you when data usage nears your set limit.

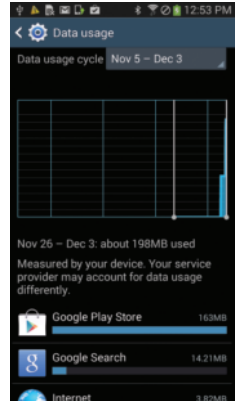
Data usage is measure by your device, and your service provider may account for usage differently, so you may want to consider using a conservative limit. Contact your service provider for more information on actual data usage.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ Connections **Connections** tab ➔ **Data usage**. The **Data usage** screen displays.
2. Touch and drag the vertical usage cycle lines left or right on the graph to adjust the mobile **Data usage cycle**.
3. Touch and drag the horizontal **warning** line up or down on the graph to adjust the mobile data usage warning level.

4. Touch and drag the horizontal **limit** line up or down on the graph to adjust the mobile data usage limit level.

**Viewing data usage by app or process**

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab ➔ **Data usage**. The **Data usage** screen displays.
2. Scroll down the page to see the top three processes or apps using mobile data service. Touch a process or app to see data usage for the process or app, and to configure specific settings.



## *More Wireless and Network Settings*

### Airplane mode

When airplane mode is enabled, all your phone's wireless connections are disabled, and you cannot make or receive calls [except for Emergency (E911) calls] or messages. You can, however, make Wi-Fi and Bluetooth connections.

While in airplane mode, you can use other features of your phone, such as playing music, watching videos, or using other applications.

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab ➔ **More networks** ➔ **Airplane mode** to enable or disable airplane mode.

### Mobile networks

Set options for network selection, data service, and roaming behavior.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab ➔ **More networks** ➔ **Mobile networks**. The **Mobile networks** screen displays.
2. Set these options:
   - **Mobile data**: Enable or disable your phone's connection to the mobile data network.

     **Tip:** You can also enable or disable **Mobile data** at the **Notifications** panel. (For more information, refer to *"Notifications"* on page 32..)

   - **Data roaming**: Enable or disable connection to data services when your device is roaming on another network. (For more information about roaming, see *"Roaming"* on page 16.)

- **Network mode**: Configure roaming for CDMA, LTE, and EV-DO networks.
  - **LTE/CDMA**: Lets your phone automatically access LTE, CDMA, and/or EV-DO mobile networks when available.
  - **CDMA**: Restricts your phone to CDMA mobile networks.
- **System select**: Configure CDMA roaming mode.
  - **Home only**: Restricts your phone to your Wireless Provider's network.
  - **Automatic**: Permits your phone to automatically roam to networks other than that provided by your Wireless Provider.

### Portable Wi-Fi Hotspot

Use Portable Wi-Fi Hotspot to share your phone's internet connection with up to 5 other devices, through Wi-Fi.

You can control whether devices connect to your Portable Wi-Fi Hotspot with the Allowed device list.

(For more information about using your phone as a mobile hotspot, see *"Portable Wi-Fi Hotspot"* on page 145.)

**Note:** Using Portable Wi-Fi Hotspot requires a subscription to data service. For more information, contact your Wireless Provider.

Using your phone as a mobile hotspot consumes battery power and uses data service. While Portable Wi-Fi Hotspot is active, your phone's applications will use your Wireless Provider's data service. Roaming while using your phone as a mobile hotspot will incur extra data charges.

### Turning Portable Wi-Fi Hotspot On or Off

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab ➔ **More networks** ➔ **Tethering and portable hotspot** ➔ **Portable Wi-Fi hotspot**.
2. Touch **Portable Wi-Fi hotspot** OFF and follow the prompts to turn Portable Wi-Fi Hotspot On, or touch **Portable Wi-Fi hotspot** ON to turn Portable Wi-Fi Hotspot Off.

**Note:** Using your phone as a mobile hotspot consumes battery power and uses data service. While Portable Wi-Fi Hotspot is active, your phone's applications will use your Wireless Provider's data service. Roaming while using your phone as a mobile hotspot will incur extra data charges.

### Configuring Portable Wi-Fi Hotspot

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab ➔ **More networks** ➔ **Tethering and portable hotspot** ➔ **Portable Wi-Fi hotspot**.
   The **Portable Wi-Fi hotspot** screen displays.
2. Touch **Configure** to access the following options:
   - **Network SSID**: View and change the name of your Mobile Hotspot.
   - **Hide my device**: When enabled, your Portable Wi-Fi Hotspot is not visible to other Wi-Fi devices during a scan. Other devices can still connect to your Portable Wi-Fi Hotspot, but will have to set up the connection manually with your Network SSID and Password.
   - **Security**: Choose the security level for your Portable Wi-Fi Hotspot.
   - **Password**: If you choose a security level that uses a password, enter the password. By default, the password is your mobile telephone number.
   - **Show password**: Enable to make the Password field visible.
   - **Show advanced options**: Enable to access advanced options, including Broadcast channel, to specify the channel your device uses for Portable Wi-Fi Hotspot.

**Allowed Device List**

Control whether devices connect to your Portable Wi-Fi Hotspot with the Allowed device list. After you add devices to the list, they can scan for your device and connect using your device's Wi-Fi hotspot name (SSID) and password.

**Note:** Using your phone as a mobile hotspot consumes battery power and uses data service. While Portable Wi-Fi Hotspot is active, your phone's applications will use your Wireless Provider's data service. Roaming while using your phone as a mobile hotspot will incur extra data charges.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab ➔ **More networks** ➔ **Tethering and portable hotspot** ➔ **Portable Wi-Fi hotspot**. The **Portable Wi-Fi hotspot** screen displays.
2. Touch **Allowed devices** ➔ **Add**, then enter the other device's Device name and MAC address.
3. Touch **OK** to add the device to the **Allowed devices** list.

**Tip:** For information about connecting to your Portable Wi-Fi Hotspot, see *"Connecting a Device via Portable Wi-Fi Hotspot"* on page 146.

### Tethering

Use Tethering to share your phone's internet connection with a computer that connects to your device via USB cable, or by Bluetooth.

(For more information about connecting computers to your phone via Tethering, see *"Tethering"* on page 143.)

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** **Connections** tab ➔ **More networks** ➔ **Tethering and portable hotspot**. The **Tethering and portable hotspot** screen displays.
2. Choose a tethering method:
   - **USB tethering**: Connect the computer to the phone via USB cable, then touch **USB Tethering** to turn tethering On or Off. When On, a check displays in the check box.

- **Bluetooth tethering**: Pair your phone with the computer via Bluetooth. Consult the computer's documentation for more information about configuring your computer to pair via Bluetooth. Touch **Bluetooth Tethering** to turn tethering On or Off. When On, a check displays in the check box.
- **Help**: Provides helpful Portable Wi-Fi hotspot, USB tethering, and Bluetooth tethering information.

**Note:** Using Tethering requires a subscription to your Wireless Provider's mobile data service.

### VPN

Set up and manage Virtual Private Networks (VPNs). For more information about using VPNs, see *"VPN"* on page 142.

**Adding a VPN**

1. From the Home screen, touch **Menu** → **Settings** → **Connections** tab → **More networks** → **VPN**.

**Note:** You must enable at least Pattern security before setting up a VPN. If you have not yet enabled security, you are prompted to do so the first time you launch VPN settings.

2. Touch **Add VPN network** to set up a connection to a VPN, using the following settings:
   - **Name**: Enter a name for the VPN connection.
   - **Type**: Choose the type of VPN.
   - **Server address**: Enter the IP address of the VPN server.
   - **PPP encryption (MPPE)**: Touch to enable or disable encryption.
   - **Show advanced options**: Touch to show more options. Available options depend on the type of VPN you are adding.

### *NFC*

Use NFC (Near Field Communication) to share information between your phone and another NFC device by touching the devices together, typically back-to-back.

(For more information about sharing information with NFC, *"S Beam"* on page 130.)

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab and touch the **NFC** slider OFF to turn NFC ON.

  **Note:** NFC must be turned on to use S Beam.

  - Touch the **NFC** slider ON to turn NFC OFF.

### Android beam

Android Beam uses your phone's NFC (Near Field Communication) feature to send, or "beam", application content to another NFC device, by holding the devices close together.

Android Beam works in the background. Use the sharing options from your favorite apps to select content to share via Android Beam. You can beam browser pages, YouTube videos, contacts, and more.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab ➔ **NFC**.

   **Note:** NFC must be turned on to use Android Beam or S Beam.

2. Touch the **Android Beam** slider OFF to turn Android Beam ON.

   – or –

   Touch the **Android Beam** slider ON to turn Android Beam OFF.

## S Beam

S Beam uses your phone's NFC (Near Field Communication) to send, or "beam", content to other NFC and Wi-Fi Direct devices, by holding the devices close together.

S Beam works in the background. To share pictures or videos from Gallery, videos from Video player, or songs from Music player. Just bring the devices together (typically back-to-back), then touch the screen.

**Turning S Beam On or Off**

1. From the Home screen, touch **Menu** → **Settings** → **Connections** tab.

   **Note:** NFC must be turned on to use Android Beam or S Beam.

2. Touch **Back**, to return to the **Connections** tab, then under **Connect and share**:
3. Touch the **S Beam** slider OFF to turn S Beam ON.

   – or –

   Touch the **S Beam** slider ON to turn S Beam OFF.

## Nearby devices

Share files with nearby devices via DLNA (Digital Living Network Alliance) over Wi-Fi.

**Note:** To use Nearby devices for sharing, you must have set up a connection with another Wi-Fi device that supports DLNA.

1. From the Home screen, touch **Menu** → **Settings** → **Connections** tab. The **Nearby devices** screen displays.
2. Touch the **Nearby devices** slider OFF to turn Nearby devices ON.
3. Touch **OK** At the Nearby devices prompt.
4. Touch **Shared contents**, then check the media you would like to share and tap **OK**.
5. Touch **Allowed devices list**. A list or Wi-Fi devices allowed to access your phone displays.
6. Touch **Not-allowed devices list**. A lists or Wi-Fi devices blocked from accessing your phone displays.
7. Touch **Download to**, and choose a location to save downloaded content, from USB storage or the SD card.

8. Touch **Upload from other devices** and choose how to handle incoming files from other devices, from **Always accept**, **Always ask**, or **Always reject**.

### *Screen Mirroring*

AllShare Cast lets your phone share the contents of its display with other Digital Living Network Alliance (DLNA) certified devices, such as Smart televisions.

(For more information, refer to *"Screen Mirroring"* on page 149..)

**Note:** To view more information about DLNA certified products visit http://www.dlna.org/home.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **Connections** tab ➔ **Screen Mirroring**. The **Screen Mirroring** screen displays.

**Note:** This feature requires the optional AllShare Cast dongle which is available as an accessory. See your Customer Service Representative for more information.

2. Connect the dongle to the HDMI device using an HDMI A-to-A cable.
3. Press **Menu** ➔ **Help** for information on using Screen Mirroring.

## My device

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device**. The **My device** screen displays.

### *Lock screen*

Choose settings for locking and unlocking your phone.

For more information about using the lock and unlock features, see *"Securing Your Phone"* on page 17.

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Lock screen**. Touch the following options to access additional options:
  - **Screen lock**: Touch one of the following options to select it as your custom screen lock/unlock method:
    - **Swipe**: When enabled, you unlock the phone by swiping your finger across the screen. This is the default screen lock, and offers no security.
    - **Face unlock**: When enabled, you unlock the phone by looking at the screen. This option offers low security, because someone who looks similar to you could unlock your phone. Touch the option for more information, and to set up Face unlock.

– **Face and voice**: When enabled, you unlock the phone by looking at the screen and saying the S Voice wake up phrase. This option offers low security, because someone who looks similar to you and knows the S Voice wake up phrase could unlock your phone. Touch the option for more information, and to set up Face and voice unlock.

– **Pattern**: When enabled, you draw a pattern, which you create, on the screen to unlock the phone. Touch the option, then follow the prompts to create or change your screen unlock pattern.

– **PIN**: When enabled, you enter a numeric PIN (Personal Identification Number), which you create, to unlock the phone.

– **Password**: When enabled, you enter an alphanumeric password, which you create, to unlock the phone.

– **None**: Disable all custom screen lock settings, to use the default swipe unlock screen.

- **Lock screen widgets**: Touch this option and the **Lock screen widgets** screen displays with the following additional options available:

– **Clock or personal message**: Choose whether the Clock widget or a personal message text entry displays on the Lock screen.

– **Dual clock**: Displays dual clocks on the lock screen when you are roaming.

– **Clock size**: Select a clock size.

– **Show date**: Displays the date on the lock screen.

– **Owner information**: Displays owner information on the lock screen.

- **Popup Note on lock screen**: Displays a popup note on the lock screen.
- **Make pattern visible**: Displays the lock pattern as it is entered.
- **Lock automatically**: The screen locks a configured number of seconds after the screen turns off.
- **Lock instantly with power key**: the screen instantly locks when you press the power key.

## *Display*

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization**, ➔ **Display**. The **Display** menu displays.

### General

**Wallpaper**

Select wallpaper(s) for the Home and Lock screens.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** ➔ **General** ➔**Wallpaper**.
2. Touch the screen for which you want to select wallpaper. (Options are: **Home screen**, **Lock screen**, and **Home and lock screens**.)
3. Touch the source of the wallpaper(s) you want to use. [Options are: **Gallery**, **Live wallpapers** (not for the Lock screen), and **Wallpapers**.)
4. Touch the desired image or wallpaper.

**Notification panel**

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** ➔ **General**, and touch **Notification panel**. The **Notification panel** screen displays. The following options are available:
  - **Brightness adjustment**: When enabled, a Brightness adjustment slider displays in the Notification panel, under the Quick Setting buttons.
  - **Set the quick setting buttons**: Follow the on-screen instructions to select the quick setting buttons you want to display at the top of the Notification panel.

**Multi window**

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** ➔ **General**, and touch **Multi window** to enable or disable the Multi window tray. (For more information, refer to *"Using Multi window"* on page 27.)

## Screen

### Screen mode

Set the screen color balance and contrast mode.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** ➔ **General** and touch **Screen mode**.
2. For automatic optimization of the screen, touch the **Adapt display** option to enable it. A check mark displays in the check box.
3. To manually select a screen mode, disable the **Adapt display** option, then touch **Dynamic**, **Standard**, **Professional photo**, or **Movie**.
4. Touch **Save**.

### Brightness

Set the default screen brightness.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display**, and touch **Brightness**.
2. Touch and drag the slider to set the brightness, or touch **Automatic brightness** to allow the phone to adjust brightness in response to light conditions.
3. Touch **OK** to save the setting.

### Auto-rotate screen

When enabled, the screen's orientation automatically changes when you rotate the phone.

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** ➔ and touch **Auto-rotate screen** to enable or disable the feature.

  When enabled, a check mark displays in the check box.

**Tip:** You can also set Auto rotate on the Notifications panel with the **Screen rotation** setting. (For more information, refer to *"Notifications"* on page 32. and *"Quick Setting Bar"* on page 33.)

### Screen timeout

Set the length of delay between the last key press or screen touch and the automatic screen timeout (dim and lock).

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display**, and touch **Screen timeout**.
2. Touch a setting to select it.

### Daydream

When set to ON, this option lets you control your phone's reactions to being placed in an optional desk or vehicle dock, being connected to a charger, and/or sleeping.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display**, and touch:
   - Touch the **Daydream** slider OFF to turn Daydream ON.
   - Touch the **Daydream** slider ON to turn Daydream OFF.
2. Touch **Daydream** to select Daydream wallpaper from Colors, Flipboard, Google Photos, Photo Frame, or Photo Table.

   For additional Flipboard, Photo Frame, or Photo Table settings, touch .
   - Touch **Start now** to preview the effects of your Daydream settings.
   - Touch **Select dream time** to enable dream time, then select **While docked**, **While charging**, or **All**.

## Font

### Font style

Set the font for screen displays.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display**, and touch **Font style**.
2. Select a font, or touch **Get fonts online** to browse and download a new font.

### Font size

Set the font size for screen displays.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display**, and touch **Font size**.
2. Select a font size (**Tiny**, **Small**, **Normal**, **Large**, or **Huge**).

## More settings

### Touch key light duration

Set the length of time keys light when you touch them.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display**, and touch **Touch key light duration**.
2. Select **1.5 seconds**, **6 seconds**, **Always off**, or **Always on**.

### Show battery percentage

When enabled, the battery's charge level displays in the Status bar next to the Battery icon.

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** and touch **Show battery percentage** to enable/disable the setting.

### Auto adjust screen tone

When turned enabled, your phone automatically analyzes the screen and adjusts screen tone to save power.

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** and touch **Auto adjust screen tone** to enable/disable the setting.

## *LED indicator*

Select which alerts cause the LED indicator (upper left corner of your phone) to come on while your phone's screen is off.

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** and touch **LED indicator**. The following options are available:
  - **Charging**: When enabled, LED indicator lights red while your phone's battery is being charged.
  - **Low battery**: When enabled, LED indicator lights red when your phone's battery charge level becomes low.
  - **Notifications**: When enabled, LED indicator flashes blue when you have missed calls, new messages, or application events.
  - **Voice recording**: When enabled, LED indicator lights blue when you are recording a voice note.

## *Sound*

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** and touch **Sound**. The **Sound** menu displays.

### Volume

Set the system volume level, and set default volumes for call ringtones, notifications, and media playback.

**Note:** You can also set System volume from the Home screen by pressing the **Volume** key Up or Down.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** and touch **Sound**.
2. Touch **Volume**. The **Volume** menu pops-up.
3. Touch and drag the sliders for:
   - **Music, video, games, and other media**: Set the default volume level for audio playback. You can also adjust volume from this default inside the apps.
   - **Ringtone**: Set the volume for incoming call ringtones.
   - **Notifications**: Set the volume for notifications, such as new messages and event reminders.
   - **System**: Set the volume for all other system sounds, such as keytones played for screen touches. You can control whether tones play for screen touches with other sound settings.
4. Touch **OK** to save your settings.

### Vibration intensity

Set the level for vibration to accompany ringtones and notifications.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** and touch **Sound**.
2. Touch **Vibration intensity**. The **Vibration intensity** menu pops-up.
3. Touch and drag the sliders for:
   - **Incoming call**: Set the vibration level for incoming call ringtones.
   - **Notification**: Set the vibration level for notifications, such as new messages and event reminders.
   - **Haptic feedback**: Set the vibration level vibrations to accompany screen touches.
4. Touch **OK** to save your settings.

### Ringtones

Choose a ringtone for incoming calls.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** and touch **Sound**.
2. Touch **Ringtones**. The **Ringtones** menu pops-up.
3. Touch a ringtone to select it. When you touch a ringtone, a sample plays, unless you have a Silent mode enabled.
4. To add a sound or music file to the Ringtones list, touch **Add**.
5. Touch **OK** to save your selection.

**Tip:** You can also set songs as ringtones for all calls, or for a selected contact. (For more information, refer to *"Music"* on page 118..)

### Vibrations

Choose a vibration pattern to use when vibration is enabled.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** and touch **Sound**.
2. Touch **Vibrations**. The **Vibrations** menu pops-up.
3. Touch a vibration pattern to select it. When you touch a pattern, a sample plays.
4. To create your own pattern, touch **Create**. Touch **Tap to create** in the pattern, then touch **Stop**. Touch **Save** to save your pattern.
5. Touch **OK** to save your selection.

### Default notification sound

Choose a default sound to play for notifications, such as for new messages and event reminders.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** and touch **Sound**.
2. Touch a sound to select it. As you touch a sound, a sample plays.

### Vibrate when ringing

When enabled, vibration is played at the same time as sounds for calls and alerts.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** and touch **Sound**.
2. Touch **Vibrate when ringing** to enable or disable the feature.

### Dialing keypad tone

Dialing keypad tones are sounds that play when you touch keys on the Phone keypad.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** and touch **Sound**.
2. Touch **Dialing keypad tones** to enable or disable key sounds.

### Touch Sounds

When enabled, tones play when you touch keys on the phone.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** and touch **Sound**.
2. Touch **Touch sounds** to turn the option on.

### Screen Lock Sound

When enabled, tones play when you touch the screen to lock or unlock it.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** and touch **Sound**.
2. Touch **Screen lock sound** to turn the option on.

### Haptic Feedback

Vibrate the phone when softkeys are touched, and for certain software actions.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** and touch **Sound**.
2. Touch Haptic feedback to turn on the option.

### Emergency Tone

You can choose to have a tone play, or have your phone vibrate, periodically during an emergency call.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** and touch **Sound**.
2. Touch **Emergency tone** to select a tone:
   - **Off**: No tone or vibration plays during emergency calls.
   - **Alert**: A tone plays during emergency calls.
   - **Vibrate**: A vibration plays during emergency calls.

### Key-tap Sound

Sound plays for your key touches.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** and touch **Sound**.
2. Touch **Key-tap sound** to turn the option on.

### Key-tap Vibration

Vibrates the phone when a softkey is touched.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** and touch **Sound**.
2. Touch **Key-tap vibrate** to turn the option on.

### Audio Output

Set audio output to stereo or surround when the phone is docked or when using earphones (not included).

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Personalization** ➔ **Display** and touch **Sound**.
2. Touch **Audio output**, and then select **Stereo** or **Surround**.

### *Home screen mode*

Select the Home screen layout that best suits your needs.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device**.
2. Touch **Home screen mode**. The **Home screen mode** screen displays.
3. Select the desired Home screen mode (a preview image of your selection displays):
   - **Standard mode**: A conventional layout for apps and widgets on the Home screen panels.
   - **Easy mode**: A simplified apps and widgets layout for first time smartphone users.
4. To save your selection, touch **Apply**.

### *Call*

**Note:** This section does not include information about Call settings. (For Call settings information, see *"Call Settings"* on page 71.)

### *Blocking mode*

When enabled, Blocking mode lets you select which notifications you receive.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device**.
2. Touch **Blocking mode** OFF to enable this feature.
3. Touch the **Blocking mode** tab to access the following options:
   - **Features**:
     - **Block incoming calls**: Blocks incoming calls so they do not display.
     - **Turn off notifications**: Blocks notifications from playing an alert tone.
     - **Turn off alarm and timer**: Blocks notifications from Clock and Calendar alarms, and from timers.
     - **Turn off LED indicator**: Stops LED indicator from lighting.

- **Set time**:
  - **Always**: When enabled, Blocking mode stays active until you turn it off.
  - **From**: With **Always** disabled, select the time when Blocking mode will come on.
  - **To**: With **Always** disabled, select the time when Blocking mode will go off.
- **Allowed contacts**:
  - **Allowed contacts**: Select contacts from whom your phone is to accept incoming calls. [Options are: None, All contacts, Favorites, Custom (selecting this option enables **Allowed contact list**).]
  - **Allowed contact list**: Add and remove contacts from whom your phone accepts calls when Blocking mode is on.

4. Select the desired option to enable/disable it.

### *Hands-free mode*

When Hands-free mode is enabled, incoming calls and notifications will be read out automatically.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device**.
2. Touch **Hands-free mode** OFF to enable this feature. Confirm that the Driving mode active icon displays in the Status bar.

   All incoming calls and notifications are spoken automatically.
3. The following options are available:
   - **Incoming call**: read out callers' information when receiving incoming calls.
   - **Message**: read out senders' information when receiving incoming calls.
   - **Alarm**: read out alarm information when alarms sound.
   - **Schedule**: read out scheduled alarm information when alarms sound.

4. You can disable Driving mode by saying “Driving mode off” while in S voice, or by accessing the Settings menu and sliding the Hands-free mode slider to the off position OFF or by using the Notification panel.

### *Power saving mode*

Configure Power saving settings to conserve battery power.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ My device **My device**.
2. 
3. Touch **Power saving mode** OFF to enable this feature and **Power saving mode** ON to disable Power saving.

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**Note: Power saving mode** must be enabled ( ON ) to configure the **Power saving mode settings**.

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4. Touch the following **Power saving mode settings** to enable or disable them. (When an option is enabled, a check mark displays in its check box.):
   - **CPU power saving**: When enabled, the phone’s maximum performance is limited. This does not affect normal usage, such as browsing and video playback.
   - **Screen power saving**: When enabled, the screen uses reduced frame refresh rate and lower brightness.
   - **Turn off haptic feedback**: When enabled, no vibration plays when you touch the screen.
5. Under **Power saving tips**, touch **Learn about power saving** to read information about Power saving options.

## Accessory

Configure your phone's behavior when you connect it to optional accessories (not included).

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device**.
2. Touch **Accessory**. The **Accessory** screen displays.

## Accessibility

Your phone offers features to make using the phone easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device**.
2. Touch **Accessibility**. To enable/disable each of the following options, touch the check box next to it: (When enabled, a check mark displays in the check box.)
   - **Auto-rotate screen**: The screen's orientation automatically changes when you rotate the phone.
     You can also set Auto rotate on the Notifications panel with the Screen rotation setting.
   - **Screen timeout**: Set the length of delay between the last key press or screen touch and the automatic screen timeout (dim and lock).
   - **Speak passwords**: When enabled, your phone reads out your password entries.
   - **Answering/ending calls**: Touch this option to access the following call answering and ending settings:

– **The home key answers calls**: When enabled, you can answer calls by pressing Home.

– **Answers calls by tapping**: When enabled, you can answer calls by touching the Accept call button on the Incoming Call screen.

– **Voice control**: When enabled, you can use your voice to answer calls.

– **The power key ends calls**: Lets you can end voice calls by pressing the Power/Lock key.

- **Show shortcut** Adds an **Accessibility settings** option to the **Device options** menu (displays when you press and hold the Power/Lock key. This provides quick access to the **Accessibility** settings, to make changes as you use the phone.
- **Manage accessibility**: Save and update your accessibility settings, or share them with another device.

– **Export**: Save your accessibility settings in a file.

– **Update**: Update your accessibility settings by importing the saved file.

– **Share via**: Share your accessibility settings using Bluetooth, Dropbox, Email, Gmail, or Wi-Fi Direct.

– **Android Beam**: Send your accessibility settings to another device using Android Beam and NFC.

## Services

Enable or disable accessibility services.

**TalkBack**

1. From the Home screen, touch **Menu** → **Settings** → My device **My device**.
2. Touch the following option:
   - **TalkBack**: When enabled in the **TalkBack** screen, recites menu options, application titles, contacts, and other items when scrolling and making selections, according to the **Settings** values you select.

## Vision

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device**.
2. Touch the check box next to each of the following options to enable it: (When enabled, a check mark displays in the check box.)
   - **Font size**: Set the font size for screen displays (Tiny, Small, Normal, Large, Huge).
   - **Maginfication gestures**: Touch **Maginfication gestures** OFF to turn ON tripple-tap to zoom, tripple-tap and hold to zoom temporarily, pan, and adjust zoom level gestures.
   - **Negative colors**: Reverses the colors on the screen.
   - **Color adjustment**: OFF to turn ON and adjust screen colors for better readability.
   - **Accessibility shortcut**: Touch **Accessibility shortcut** OFF to turn ON quick access to the **Accessibility** settings, to make changes as you use the phone, by pressing and holding the **Power/ Lock** key.
   - **Text-to-speech options**: Select Preferred TTS engine, Speech rate, and Driving mode.
   - **Enhance web accessibility**: Does not allow / Allows apps to install scripts from Google that make their Web content more accessible.

## Hearing

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device**.
2. Touch the check box next to each of the following options to enable it: (When enabled, a check mark displays in the check box.)
   - **Sound balance**: Lets you adjust media player sound balance when you are using a stereo headset or stereo headphones.
   - **Mono audio**: Delivers monophonic sound to support listening with a wired or Bluetooth headset with one earphone.
   - **Turn off all sounds**: Disables all sounds, including the voice portion of calls.
   - **Flash notification**: The Camera flash blinks when you receive a notification.

### Mobility

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device**.
2. Touch the following options:
   - **Assistant menu**: Touch **Assistant menu** OFF to turn ON options to change the Dominant hand setting and to Edit menu buttons.
   - **Tap and hold delay**: Select the length of time the phone considers a screen touch before interpreting a touch as touch-and-hold (Short, Medium, Long).

## *One-handed Operation*

The one-handed operation settings help you to use your phone keypads easily with only one hand.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **One-handed operation**.
2. The following options are available:
   - **Keypad and in-call buttons**: allows you to adjust the position of the dialing keypad and in-call buttons to the left or the right to make it easier to use with one hand.
   - **Samsung keyboard**: allows you to adjust the position of the Samsung keyboard to the left or the right to make it easier to use with one hand.
   - **Calculator**: allows you to adjust the position of the calculator keypad to the left or the right to make it easier to use with one hand.
   - **Unlock pattern**: allows you to adjust the scale of the unlock pattern for use with one hand.
   - **Learn about on-handed operation**: provides more information about using one-handed operation.

## *Language and input*

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device**.
2. Touch **Language and input**. The **Language and input** screen displays.

### Language

Select the language used in your phone's screens.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Language and input**.
2. Touch **Language** to select the language used in your phone's screens.

### Keyboards and input methods

Configure text entry options to your preferences.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device**.
2. Touch **Language and input**.
3. Under **Keyboards and input methods**, touch the check box next to each of the following options to enable it. (When enabled, a check mark displays in the check box.):

### Default

Review the default method for manually entering text.

**Note:** This option cannot be changed.

### Samsung Keyboard

- Touch beside Samsung keypad to configure the following options.

**Note:** This option cannot be disabled.

- **Input languages**: Select languages for the Samsung keyboard.

**Tip:** When you have more than one language selected, you can slide your finger on the space bar while entering text to switch languages.

- **Predictive text**: When enabled, T9 suggests words matching your text entries and optionally, complete common words automatically. Touch **Predictive text** OFF to turn ON T9 predictive text, touch **Predictive text** ON to turn OFF T9 predictive text. Touch **Predictive text** to configure the following options:
  - **Live word update**: When enabled, automatically updates Predictive text with popular new words.
  - **Personalized data**: When enabled, Predictive text uses personal language data you have entered.
  - **Learn from Facebook**: Log in to let your device learn from your Facebook entries.
  - **Learn from Gmail**: Log in to let your device learn from your Gmail messages.
  - **Learn from Twitter**: Log in to let your device learn from your "tweets".
  - **Learn from Messages**: Update to let your device learn from your message text entries.
  - **Learn from Contacts**: Update to let your device learn from your Contacts style.
  - **Clear remote data**: Remove your anonymous data from the personalization server.
  - **Clear personal data**: Remove all the personal language data you have entered.
  - **Privacy Policy**: Displays the privacy policy.
- **Auto replacement**: Complete or replace the word you are typing with the most probable word when you tap the space bar.
- **Auto capitalization**: Automatically capitalize words in your text based on common usage, such as at the beginning of sentences.
- **Auto spacing**: Automatically inserts spaces between words.
- Auto punctuate: Automatically enter a period and space to end a sentence when you touch the space bar twice.
- **Keyboard swipe**: Set what action to take when you swipe your finger across the keyboard:
  - **None**: Take no action.
  - **Swiftkey Flow**: Enter text by sliding your finger across the keys on the keyboard.
  - **Cursor control**: Slide your finger across the keyboard to move the cursor.

- **Key-tap feedback**:
  - **Sound**: Play a sound when a key is touched.
  - **Vibration**: Vibrate the device when a key is touched.
  - **Character preview**: Display the character in a bubble when you touch it on the keyboard.
- **Pen detection**: Change to Handwriting recognition mode when the S Pen is detected.
- **Tutorial**: Learn about Samsung Keyboard.
- **Reset settings**: Return settings to the defaults.

### Swype

- Touch beside Swype to configure the following options
  - **Settings**: Set Swype options:
    - **Vibrate on keypress**: Vibrate the device when a key is touched.
      Sound on keypress: Play a tone when a key is touched.
    - **Pop-up on keypress**: Characters display above keys as you enter text.
    - **Show complete trace**: Display the trace of each word until you start the next word.
    - **Auto-capitalization**: Automatically capitalize words in your text based on common usage, such as at the beginning of sentences.
    - **Auto-spacing**: Automatically inserts spaces between words.
    - **Next word prediction**: Swype predicts the next word based on the previous word.
    - **Show Voice key**: Display a voice entry button on the keyboard.
  - **My Words**: View and manage words in your Swype dictionary, used for word completion, suggestions, and spell checking.
  - **Languages**: Choose the current language for Swype, and download additional languages.
  - **Gestures**: Learn about shortcuts you can use on the keyboard to quickly accomplish common tasks.
  - **Help**: Learn about using Swype.
  - **Updates**: Check for updates to Swype.

### Google Voice Typing

Lets you vocally dictate the text entered into a field.

- Touch beside Google voice typing to configure the following options:
  - **Choose input languages**: Select languages for Google voice typing. Select **Automatic** to use the Default language exclusively, or choose other language(s).
  - **Block offensive words**: When enabled, words many people find offensive are not shown in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).
  - **Offline speech recognition**: Enables voice input using Google voice typing while your phone is offline.

### Speech

1. From the Home screen, touch **Menu** ➔ **Settings** ➔

**My device**.
2. Touch **Language and input**.
3. Under **Speech**, the following options are available:
   - **Voice search**: Configure how **Voice search** reacts to your speech.
     - **Language**: Choose a language for voice searching.
     - **Speech output**: Choose whether Speech is Always available or available with Hands-free only.
     - **Block offensive words**: When enabled, words many people find offensive are not shown in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).
     - **Hot word detection**: When enabled, say “Google” to launch voice search.
     - **Offline speech recognition**: Enables voice input while off-line.
     - **Personalized recognition**: Train **Voice search** to more accurately recognize your voice.
     - **Google Account dashboard**: Manage data collected under your Google account.

– **Bluetooth headset**: Records audio through a Bluetooth headset, when available.

- **Text-to-speech options**: Provides audible readout of text, for example, the contents of text messages, and the Caller ID for incoming calls.
  – **Preferred TTS engine**: Select **Samsung text-to-speech engine** or **Google Text-to-speech Engine**.

**General:**

- **Speech rate**: Choose a rate at which text readouts are spoken.
- **Listen to an example**: Play a sample of speech synthesis.

### Mouse/trackpad

Customize the response of your screen swipes.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device**.
2. Touch **Language and input**.
3. Under **Mouse/trackpad**, touch **Pointer speed**, then touch and drag along the scale to set the pointer speed.

### *Motion*

Motion lets you control a number of your phone's functions by moving your hand or finger across the screen in a particular pattern or by moving the phone itself in a particular way.

**Note:** For more information about using Motion, see *"Motions and gestures"* on page 25.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device**.
2. Touch **Motion**. The following options are available (to enable your phone's ability to recognize each gesture, touch the related slider OFF:
3. Touch these options:
   - **Quick glance**: When set to ON and the screen is off, you can reach toward your phone to receive a quick display of selected information (Time & Date, Notification icons, Missed calls, Unread messages, Battery power, and/or Current music info).
   - **Direct call**: When enabled, you can lift the phone to your ear while viewing a contact to dial the contact's phone number.

- **Smart alert**: When enabled, the phone will automatically notify you to missed calls and alerts that occurred while the phone was stationary.
- **Double tap to top**: Double tap the top of the device to be taken to the top of the current on-screen list.
- **Tilt to zoom**: Touch and hold two points on the display then tilt the device back and forth to zoom in or out. Access the Advanced settings to change its sensitivity setting.
- **Pan to move icon**: Touch and hold a desired application shortcut icon or widget on the screen. Once it detaches, move the device left or right to migrate it to a new location. Access the Advanced settings to change its sensitivity setting.
- **Pan to browse images**: Touch and hold a desired on-screen image to pan around it. Move the device left or right to pan vertically or up and down to pan horizontally around the large on-screen image. Access the Advanced settings to change its sensitivity setting.
- **Shake to update**: Shake your device to rescan for Bluetooth devices, rescan for Wi-Fi devices, Refresh a Web page, etc.
- **Turn over to mute/pause**: Mute incoming calls and any playing sounds by turning the device over display down on a surface.

**To adjust gesture sensitivity:**

1. From the Home screen, touch **Menu** → **Settings** → My device **My device** tab → **Motions** → **Advanced settings**.
2. Tap an available field to access the sensitivity settings for the currently active gesture. Choose from:
   - **Quick glance**: allows you to set which features are displayed at a glance when a user reaches for the device. Choose from: Missed call, New messages, Battery, Current music, or Notification icons.
   - **Sensitivity settings**: When any of the following features are enabled, you can then adjust their sensitivity. Choose from: Tilt to zoom, Pan to move icon, and Pan to browse images.
   - **Learn about motions**: To learn how to properly control motions.

- **Palm swipe to capture**: once enabled, you can capture any on-screen information swiping across the screen. In a single motion, press the side of your hand on the screen and swipe form left to right. The image is then copied to the clipboard.
- **Palm touch to mute/pause**: once enabled, you can pause any on-screen video or mute any current sound by simply covering the screen with your hand. Once you remove your hand from the screen, the device goes back to normal by either continuing to play the current video or unmuting the current sound.
- **Learn about hand motions**: provides on-screen tutorials on the use of both the Palm swipe to capture and Palm touch to mute/pause features.

### *Smart screen*

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device**.
2. Touch **Smart screen**. The following options are available:

- **Smart stay**: When enabled, this feature prevents screen timeout, if you are using the phone.

> **Example:** The phone uses the front camera to identify your eyes, and keeps the screen bright for continued viewing.

- **Smart rotation**: When enabled, this feature adjusts screen images to match your angle of sight.

### *Voice control*

This feature lets you control selected features of your phone using just your voice.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device**.
2. Touch the **Voice control** OFF slider to turn on Voice control.
3. Touch **Voice control** then touch following options:
4. Touch the following options to enable/disable them:
   - **Incoming calls**: When enabled, you can answer or reject calls by saying “Answer” and “Reject”. Your phone with answer the calls in Speakerphone mode.

- **Alarm**: When enabled, you can stop an alarm or set it to snooze by saying “Stop” and “Snooze”.
- **Camera**: When enabled, you can take pictures by saying “Smile”, “Cheese”, “Capture” and “Shoot”.
- **Music**: When enabled, you can control the Music Player by saying “Next”, “Previous”, “Pause”, “Play”, “Volume Up”, and “Volume Down”.

When these options are enabled, a check mark displays in each of their check boxes.

### *S Pen Settings*

This menu allows you to customize settings for the S Pen.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **S Pen**.
2. The following options are available:
   - **Dominant hand**: allows you to set your phone to Left handed or Right handed.
   - **Pen attach/detach sound**: allows you to select a sound to be played whenever the pen is attached or detached.
   - **Open Popup Note**: automatically opens Quick Note whenever the pen is detached.
   - **Battery saving**: disables the pen detection feature while the pen is attached to save battery power.
   - **S Pen keeper**: allows to enable a a sound alert and on-screen notification when you walk around with the device without the pen inserted in its slot.
   - **Air view**: When the S pen tip is near the screen for a while, the S pen hovering feature will be provided.
   - **Sound and haptic feedback**: activates S Pen sounds and feedback functionality.
   - **Quick Command settings**: allows you to create pen gestures to open selected apps or perform tasks.
   - **S Pen help**: provides additional information about S Pen.

## Accounts

Set up and manage accounts, including your Samsung, Email, Google, and social networking accounts.

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Accounts**, then, under **My accounts**, touch the desired account type. The related account type screen displays.

### *Adding an Account*

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Accounts** tab.
2. Select an account type and follow the prompts to add the account and configure the account settings.

### *Samsung Account Settings*

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Accounts** tab.
2. Touch **Add account** ➔ **Samsung account**. The **Samsung account** screen displays.
3. Touch **Account settings**. The following options are available:
   - **Profile** (password protected): Change password and view Email address, Date pf birth, Name prefix, First name, Lastname, Zip code, Nickname, and Receive newsletter status for your account.
   - **Terms and conditions**: Review Country or region, Terms and conditions, and Privacy policy information.
   - **Help**: Find your email address or password, Contact us with a text message, or review Customer support information [My questions, FAQ (Frequently Asked Questions), or Contact us].
4. Touch **Storage usage**. The following options are available:
   - **Total used**: Indicates the total amount of storage used for files synchronized with your Samsung account.
   - **Personal data management**: Lists current amounts of storage used by Memo, S Memo, S Note, Calendar, Internet, and Contacts apps and the amount of storage used for Backed up data.
5. Touch **Backup**. The following options are available:
   - **Auto backup**: When enabled for at least an hour and connected to a Wi-Fi network and with the screen off and the device charging, your data is backed up automatically.
   - **Logs**: When enabled, tracks device backup activity to your Samsung account.
   - **Messages (Text message)**: When enabled, your Text messages (SMS) are backed up to your Samsung account.
   - **Messages (Multimedia message)**: When enabled, your Multimedia messages (MMS) are backed up to your Samsung account.
   - **Wallpaper**: When enabled, your Wallpaper images (not the pre-loaded images) are backed up to your Samsung account.

– **Back up now**: Touch to immediately back up the selected data to your Samsung account.

6. Touch **Restore** to immediately restore backed-up data to your device.

### *Sync apps with Facebook*

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Accounts**.
2. Touch **Add account** ➔ **Sync apps with Facebook**. The **Setu up Facebook accout** screen displays.
3. Follow the prompts to set up a Facebook account or to add a link to an existing account.

### *Add a Twitter account*

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Accounts**.
2. Touch **Add account** ➔ **Twitter**. The Playstore launches the Twitter Install. Install Twitter and then follow the prompts to configure the account.

### *Backup options*

#### Cloud

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Accounts**.
2. Touch **Cloud**. The **Cloud** screen displays. The following options are available:
   - **Personal data management**:
     – **Storage usage**: Lists Total used storage and provides Personal data management options to clear selected used storage for reuse.
     – **Sync settings**: Sync your phones Calendar, Contacts, Internet bookmarks, Internet opened pages, and Memos with your Cloud account.
     – **Backup**: Choose whether to enable Auto backup of your Logs, Messages (SMS), Messages (Multimedia message), and/or downloaded Wallpaper; or to touch Back up now for manual backup.
     – **Restore**: Restore your backed up information to your phone.
   - **Content sync (with Dropbox)**: Link to your Dropbox account to sync your pictures, videos, and documents.

### Backup and reset

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **My device** ➔ **Accounts**.
2. Touch **Backup and reset**. The **Backup and reset** screen displays. The following options are available [touch the check box next to each of the options to enable it (When enabled, a check mark displays in the check box.)]:
   - **Back up and restore**:
     - **Back up my data**: When enabled, backs up app data, Wi-Fi passwords, and other phone settings to the backup account server(s).
     - **Backup account**: Select or set-up an account your phone will use to backup your app data, Wi-Fi passwords, and other phone settings.
     - **Automatic restore**: When enabled, automatically restores app data, Wi-Fi passwords, and other phone settings from your automatic backup.
   - **Personal data**:
     - **Factory data reset**: Returns all settings to their default values, and removes all data (yours and apps) from the phone.

**Important!** Settings and data erased in a **Factory data reset** cannot be recovered. To save your settings, you can use **Back up my data** settings before a reset.

# More

## *Location services*

Location services control your device's use of GPS signals. Some apps may require one or more location services be turned On for full app functionality.

GPS signals may be affected by your surroundings, including:

- Buildings
- Tunnels or underground structures
- Weather conditions
- High-voltage or electromagnetic fields
- Tinted windows

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **More**.
2. Touch **Locations services**. The **Location services** screen displays.
3. Touch **Access to my location** OFF to activate the **Location sources** settings.
4. Touch the following **Location sources** options to enable/disable them. (When an option is enabled, a check mark displays in its check box.):

**Note: Use GPS satellites** must be enabled to use some applications. You can also enable or disable **GPS** from the Notifications panel. (For more information, refer to *"Notifications"* on page 32..)

- **Use GPS satellites**: When enabled, lets applications use GPS to pinpoint your location.

**Important!** By selecting **Use GPS satellites**, you are allowing access to all location information by any third party through web access or any software or peripheral components you choose to install, download, add, or attach to the device or any other means.

- **Use wireless networks**: When enabled, lets applications use data from mobile networks and Wi-Fi to help determine your location.

## *Security*

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **More** ➔ **Security**. The **Security** screen displays.

### Encryption

As a security measure, you can encrypt the contents of your phone or an installed memory card, and require a password each time you turn on the phone or access the memory card.

Encryption may take an hour or more to complete. Start with a charged battery, and attach the charger until encryption is complete. Loss of power or other interruption may cause the loss of some or all data.

Once your information is encrypted you will be prompted to enter your decryption password each time you turn your phone on.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **More** ➔ **Security**.
2. Touch the following options to encrypt your information:
   - **Encrypt device**: Touch this option to encrypt accounts, settings, downloaded applications and data, media files, and more under a password you specify.
   - **Encrypt external SD card**: Touch this option to encrypt selected information stored on a microSD memory card under a password you specify. The following additional **Encryption settings** are available:
     - **Encrypt**: When enabled, new files on the memory card will be encrypted as they are added.
     - **Full encryption**: When enabled, all files on the memory card will be encrypted.
     - **Exclude multimedia files**: When enabled, multimedia files on the memory card will not be encrypted.

### Passwords

When enabled, password characters display briefly as you enter them.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **More** ➔ **Security**.
2. Touch the following option to enable/disable it: (When the option is enabled, a check mark displays in the check box.)
   - **Make passwords visible**: When enabled, briefly displays password characters as you enter them.

### Device administration

View or disable device administrators. Some applications, such as corporate Email, may require you allow access to your device by device administrators in certain circumstances, such as if your phone is lost or stolen.

Some features a device administrator might control include:

- Setting the number of failed password attempts before the phone is restored to factory settings.
- Automatically locking the phone.
- Restoring factory settings on the phone.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ More **More** ➔ **Security**.
2. Touch the following options to enable/disable them: (When an option is enabled, a check mark displays in its check box.)
   - **Device administrators**: View, add, or remove device administrators.
   - **Unknown sources**: When enabled, you can install applications from sources other than Google Play®.

> **Warning!** Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

   - **Verify apps**: When enabled, you are blocked or warned before installing apps that may harm your phone's firmware, software, and/or data.
   - **Change security level**: Select **High** or **Normal (default)**.

### Security update service

When you activate this feature, your phone will automatically check for changes to the security policy and download any updates to improve service.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **More** ➔ **Security**.
2. Touch the following options to activate the feature:
   - **Security policy updates**: Automatically checks for changes to the security policy and downloads any updates to improve security and service.
   - **Send security reports**: Sends security reports to Samsung using Wi-Fi for threat analysis.

### Credential storage

You can install credentials with an application, from device storage, or from an installed memory card, and use the **Credential storage** settings to allow applications to access the secure certificates and other credentials.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **More** ➔ **Security**.
2. Touch **Storage type** and select a type.
3. Touch the following options to enable/disable them. (When an option is enabled, a check mark displays in its check box.):
   - **Trusted credentials**: View, enable, or disable trusted CA certificates.
   - **Install from device storage**: Install encrypted certificates from an installed memory card.

**Note:** To use this feature, you must first install a memory card containing encrypted certificates.

- **Clear credentials**: Clear stored credentials and reset the password.

**Note:** This setting is only available if you have already installed certificates.

### Application manager

You can download and install applications from the Google Play™ Store, or create applications using the Android SDK and install them on your phone. Use Application manager to manage applications on your phone.

**Warning!** Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **More** ➔ **Device manager** ➔ **Application manager**. The **Application manager** screen displays.
2. Touch **DOWNLOADED**, **SD CARD**, **RUNNING**, or **ALL** to list the statuses of applications and services. The graph at the bottom of the **DOWNLOADED** tab displays used and free Device memory. The **SD CARD** tab displays used and free SD CARD memory. The graph at the bottom of the **RUNNING** tab shows used and free RAM.

### Battery

See how much battery power is being used by device activities.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **More** ➔ **Device manager** ➔ **Battery**. The **Battery** screen displays.
2. View battery usage for applications and services currently running.

   The battery level displays in percentage. The amount of time the battery was used also displays. Battery usage displays in percentages per application.
3. Touch **Screen**, **Android OS**, **Android System**, or any other listed feature or application to view how it is affecting battery use.

**Note:** Other applications may be running that affect battery use.

4. Touch **Show battery percentage** to display the percentage on the battery status indicator.

### *Storage*

Manage the use of memory resources in your phone's Device memory, and on an installed memory card.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **More** ➔ **Device manager** ➔ **Storage**. The **Storage** screen displays. The following options are available:
   - **Device memory**: View usage for, and manage, your phone's internal memory (For detailed information and to manage storage in use, touch any item except **Total space** or **Available space**.):
     - **Total space**: Shows the total installed device memory.
     - **System memory**: Displays the minimum amount of storage space required to run the system.
     - **Used space**: Displays the amount of storage space currently being used.
     - **Cached data**: Displays the amount of cached data in MB.
     - **Miscellaneous files**: Displays the total device memory currently used to store various application data and system data files.
     - **Available space**: Displays the total device memory available for use.
   - **SD card**: View usage for, and manage, storage space on an optional memory card.
     - **Mount SD Card**: Displays when the SD card is not inserted or mounted.
     - **Total space**: Displays the total card memory.
     - **Available space**: Displays the total card memory available for use.
     - **Unmount SD card**: Deactivates the memory card so that you can safely remove it or format it. (For more information, see *"Installing and Removing a Memory Card"* on page 150.)
     - **Format SD card**: Deletes all data from the memory card, including music, videos, and photos. (For more information, see *"Formatting a Memory Card"* on page 150.)

2. Touch an app or service to display the **App info** or **Active app** screen which provides more detailed storage usage information, and lets you Stop/Force stop or Uninstall/Report and app or service. For Downloaded apps, you can also Clear data, Clear cache, and/or Clear defaults.

### *Date and time*

By default, your phone receives date and time information from the wireless network. When you are outside network coverage, you may want to set date and time information manually using the Date & time settings.

- From the Home screen, touch **Menu** ➔ **Settings** ➔ **More** ➔ **Device manager** ➔ **Date and time**. The **Date and time** screen displays.

3. Touch a setting to configure:
   - **Automatic date and time**: When enabled, the phone takes date and time updates from the wireless network (disables Set date, Set time, and Select time zone).
   - **Set date**: Enter the current date (only available when Automatic date and time is disabled).
   - **Set time**: Enter the current time (only available when Automatic date and time is disabled).
   - **Automatic time zone**: When enabled, the phone uses the network-provided time zone.
   - **Select time zone**: Choose your local time zone (only available when Automatic date and time is disabled).
   - **Use 24-hour format**: Set the format for time displays.
   - **Select date format**: Set the format for date displays.

### *About device*

View information about your phone, including status, legal information, hardware and software versions, and a tutorial.

#### Software Update

Software Update lets your phone connect to the network and download any new phone software directly to your phone. The phone automatically updates with the latest available software when you access this option.

1. From the Home screen, touch **Menu** ➔ **Settings** ➔ **More** ➔ **Device manager** ➔ **About device** ➔ **Software update**. You are prompted to select your current country.
2. Select a Country, then touch **OK**. A Terms and Conditions screen displays.

3. To proceed to Software Update, touch **I accept all the terms above**, then touch **Confirm**. Your device registers itself with your Wireless Provider's Software Update service, connects with your Wireless Provider's server, and scans for software updates.
4. At the **Software update** prompt, touch **OK** to continue.
5. The phone automatically updates the software (if available), otherwise, when the **The latest updates have already been installed** prompt is displayed, touch **OK**.
6. When updating software, once the update file is downloaded, you can delay the update on the start screen by postponing it for a certain period of time. If you want to resume the update before the selected time, touch **Continue update**.

### Details

- Touch options to view details:
  - **Status**: View Battery status, Battery level, Network, Signal strength, Mobile network type, Service state, Roaming, Mobile network state, My phone number, MIN, PRL version, MEID, IMEI, ICCID, IP address, Wi-Fi MAC address, Bluetooth address, Serial number, Up time, and Device status.
  - **Legal information**: Display open source licenses, configure license settings, including your DivX VOD registration, and Google info.
  - **Device name**: View and/or change the device name you assigned to your device during intial set-up.
  - **Model number**: View your phone's model number.
  - **Android version**: View the firmware version of your phone.
  - **Baseband version**: View the baseband version of your phone.
  - **Kernel version**: View the kernel version of your phone.
  - **Build number**: View the build number of your phone.
  - **SE for Android status**: View the status of SELinux on your phone.
  - **Hardware version**: View the hardware version of your phone.

# Section 9: Health and Safety Information

This section outlines the safety precautions associated with using your phone. The terms “mobile device” or “cell phone” are used in this section to refer to your phone. **Read this information before using your mobile device**.

## Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

### *Do cell phones pose a health hazard?*

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

### Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

### Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

### International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at http://www.ukcosmos.org/index.html.

### Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

### Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at http://seer.cancer.gov/.

### Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

## *Reducing Exposure: Hands-Free Kits and Other Accessories*

### Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

### Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

### Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

### Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program: http://www.fcc.gov/oet/rfsafety/.
- Environmental Protection Agency (EPA): http://www.epa.gov/radtown/wireless-tech.html.
- Occupational Safety and Health Administration (OSHA): http://www.osha.gov/SLTC/radiofrequencyradiation/. (Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH): http://www.cdc.gov/niosh/.
- World Health Organization (WHO): http://www.who.int/peh-emf/en/.
- International Commission on Non-Ionizing Radiation Protection: http://www.icnirp.de.
- Health Protection Agency: http://www.hpa.org.uk/Topics/Radiation/.

- US Food and Drug Administration: http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm.

## Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum reported value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body-worn operation, this phone has been tested and meets

FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.0cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. This device has a FCC ID number: A3LSCHR950 [Model Number: SGH-R950] and the specific SAR levels for this device can be found at the following FCC website:http://www.fcc.gov/oet/ea/.

The SAR information for this device can also be found on Samsung's website: http://www.samsung.com/sar.

SAR information on this and other model phones can be accessed online on the FCC's website through http://transition.fcc.gov/oet/rfsafety/sar.html. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional SAR information can also be obtained at http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones.

## FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## Commercial Mobile Alerting System (CMAS)

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System ("CMAS"; which may also be known as the Personal Localized Alerting Network ("PLAN")). If your wireless provider has chosen to participate in CMAS/PLAN, alerts are available while in the provider's coverage area. If you travel outside your provider's coverage area, wireless emergency alerts may not be available. For more information, please contact your wireless provider.

## Smart Practices While Driving

### On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired**. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

**Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.**

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;
- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

**Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.**

**Never watch videos, such as a movie or clip, or play video games while operating a vehicle.**

For more information, go to http://www.ctia.org.

## Battery Use and Safety

**Important! Handle and store batteries properly to avoid injury or damage**. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery**. Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.

- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source**. Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.
- **Do not dispose of the phone or the battery in a fire**. The phone or the battery may explode when overheated.
- **Do not handle a damaged or leaking battery**. Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.
- **Avoid dropping the cell phone**. Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way**.
- **Do not allow the battery to touch metal objects**. Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

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**Important!** Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

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**WARNING!**

**Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard**. Samsung's warranty does not cover damage to the phone caused by nonSamsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers**. Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard**.

## Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

**Drop It Off**

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at: http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp.

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at: http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm or at http://www.call2recycle.org/.

**Mail It In**

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to http://fun.samsungmobileusa.com/recycling/index.jsp and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect

Or call, (877) 278-0799.

### Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

**Warning!** Never dispose of batteries in a fire because they may explode.

## UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

**FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.**

**IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.**

**DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.**

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

## Display / Touch-Screen

Please note the following information when using your mobile device:

**WARNING REGARDING DISPLAY**

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

**WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE**

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the “Standard Limited Warranty”.

## GPS & AGPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Certain Samsung mobile devices can also use an Assisted Global Positioning System (AGPS), which obtains information from the cellular network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges, and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details.

### Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices which are connected to a wireless network transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. The location-based information

may be shared with third-parties, including your wireless service provider, applications providers, Samsung, and other third-parties providing services.

### Use of AGPS in Emergency Calls

When you make an emergency call, the cellular network may activate AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and **might not work in your area**. Therefore:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the mobile device for as long as the emergency responder instructs you.

### Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. **Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs**.

## Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances.

Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

**To make an emergency call:**

1. If the mobile device is not on, switch it on.
2. From the Home screen, tap .

3. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
4. Tap .

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

## Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

**Keep your Samsung Mobile Device away from:**

**Liquids of any kind**

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion.

Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

**Extreme heat or cold**

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

**Microwaves**

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

**Dust and dirt**

Do not expose your mobile device to dust, dirt, or sand.

**Cleaning solutions**

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft

cloth slightly dampened in a mild soap-and-water solution. If the mobile device has a retractable camera lens, do not use soap and water to clean the lens. Use a blower or brush or lens cleaning paper dampened in a lens cleaning solution.

**Shock or vibration**

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

**Paint**

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

## Responsible Listening

**Caution! Avoid potential hearing loss**.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss.

This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.

- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

**American Academy of Audiology**

11730 Plaza American Drive, Suite 300
Reston, VA 20190

Voice: (800) 222-2336
Email: info@audiology.org

Internet:
http://www.audiology.org/Pages/default.aspx

**National Institute on Deafness and Other Communication Disorders**

National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:
http://www.nidcd.nih.gov/

**National Institute for Occupational Safety and Health (NIOSH)**

395 E Street, S.W., Suite 9200
Patriots Plaza Building
Washington, DC 20201

Voice: 1-800-35-NIOSH
(1-800-356-4674)
1-800-CDC-INFO (1-800-232-4636)
Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet:
http://www.cdc.gov/niosh/topics/noise/default.html

1-888-232-6348 TTY

## Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

### Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

### Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: http://www.fcc.gov/oet/rfsafety/rf-faqs.html#.

### Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

### Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

### Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

### Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion

or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

### When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

## FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not

be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

**M-Ratings**: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

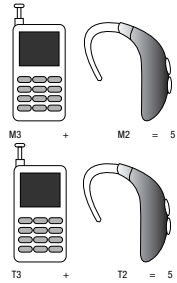
**T-Ratings**: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of 6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T ratings work similarly.




The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

### HAC for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

## Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

## FCC Notice and Cautions

### FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated.

### Cautions

Any changes or modifications to your mobile device not expressly approved by Samsung could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device.

Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

## Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.

- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.
- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.

- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

# Section 10: Warranty Information

## Standard Limited Warranty

**What is covered and for how long?**

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's handsets and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

| | |
|---|---|
| Device | 1 Year |
| Battery(ies)* | 1 Year |
| Case/Pouch/Holster* | 90 Days |
| Other Device Accessories* | 1 Year |

*If applicable.

**What is not covered?**

This Limited Warranty is conditioned upon proper use of the Product.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception

or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

**What are SAMSUNG's obligations?**

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product.

Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

**What must you do to obtain warranty service?**

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

You should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

**What are the limits on SAMSUNG's liability?**

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS.

ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE USER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

**What is the procedure for resolving disputes?**

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY.

Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

**You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.**

**Severability**

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

## *Precautions for Transfer and Disposal*

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

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**Important!** Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

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Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082
Phone: 1-800-SAMSUNG
Phone: 1-888-987-HELP (4357)

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With the "Automatic Update" function enabled (as in the default setting in the System Update menu in the Setting), your device downloads some Updates automatically from time to time. Your device will, however, ask for your consent before installing any Update If you choose to disable the "Automatic Update" function, then you can check the availability of new Updates by clicking on the "Check Update" menu in the Setting. We recommend that you check availability of any new Updates periodically for optimal use of your device. If you want to avoid any use of network data for the Update downloads, then you should choose the "Wi-Fi Only" option in the Setting. (Regardless of the option you choose, the "Automatic Update" function downloads Updates only through Wi-Fi connection.)

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